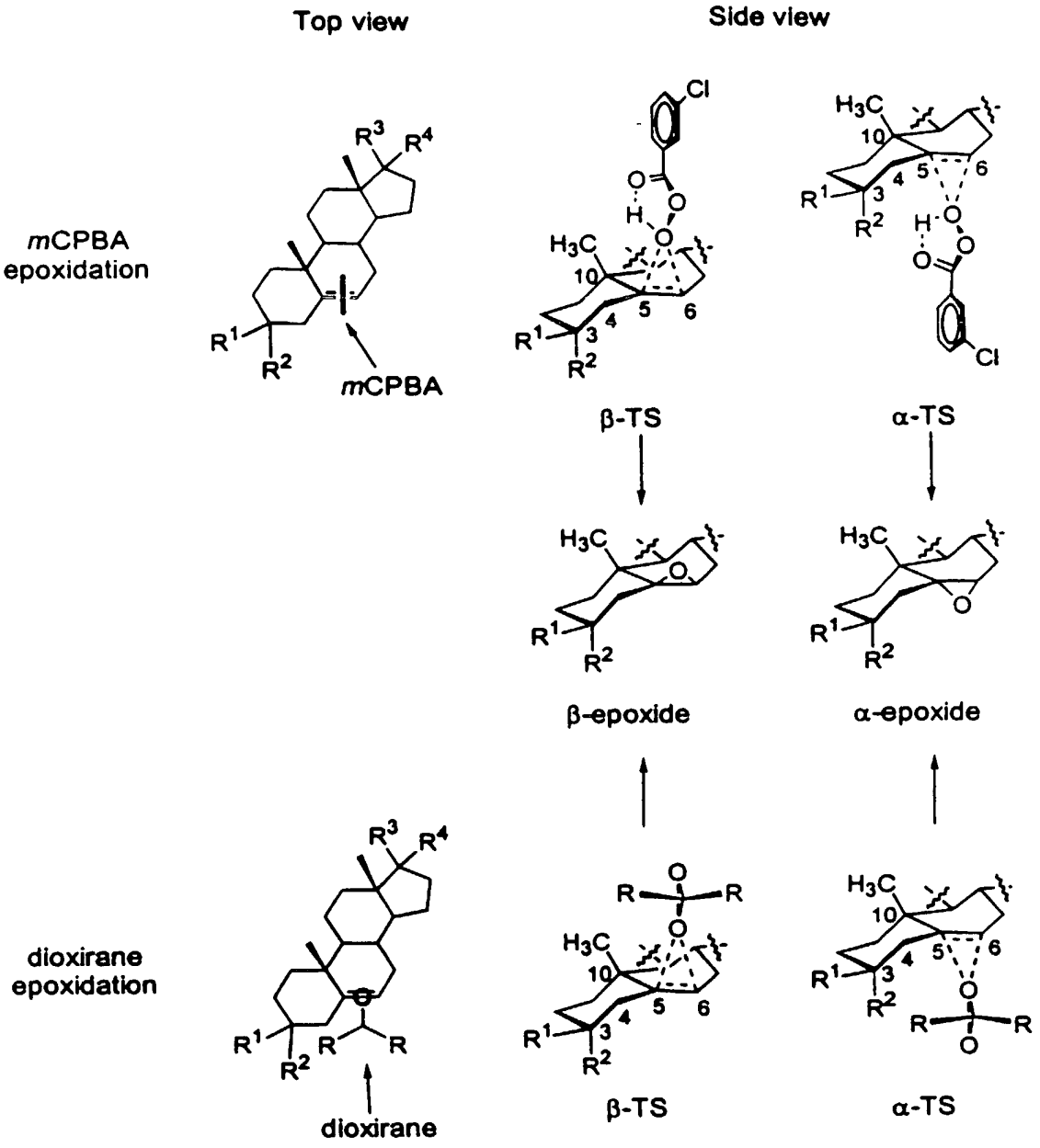
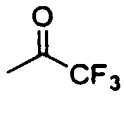
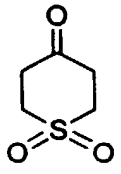

Top view
Side view
mCPBA epoxidation
mCPBA
β-TS
α-TS
β-epoxide
α-epoxide
dioxirane epoxidation
dioxirane
β-TS
α-TS

Fig. 1

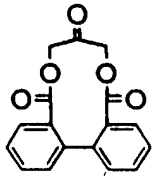
ketones:



1



2



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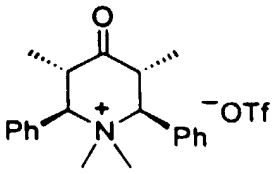
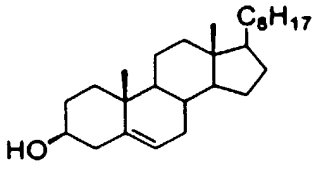


4

steroids:



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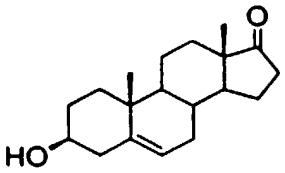

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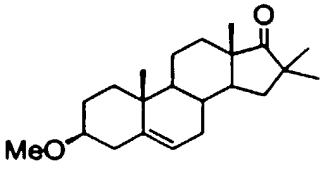

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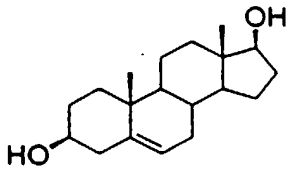

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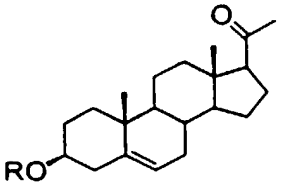
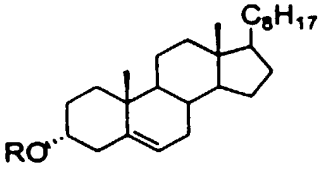
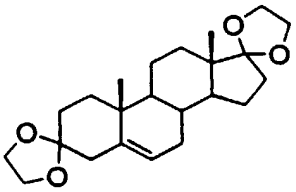


9 R = H
10 R = MOM



11 R = H
12 R = Ac



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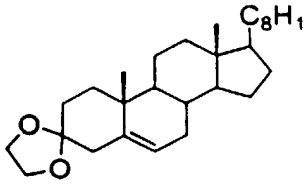
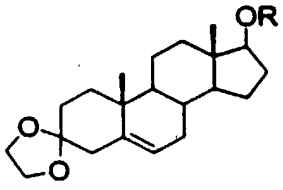
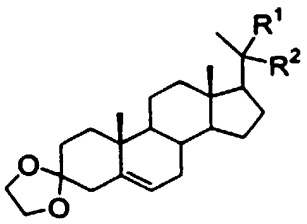


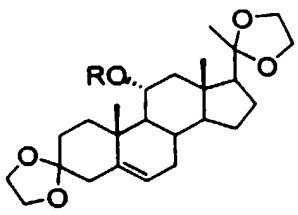
14



15 R = H
16 R = Ac

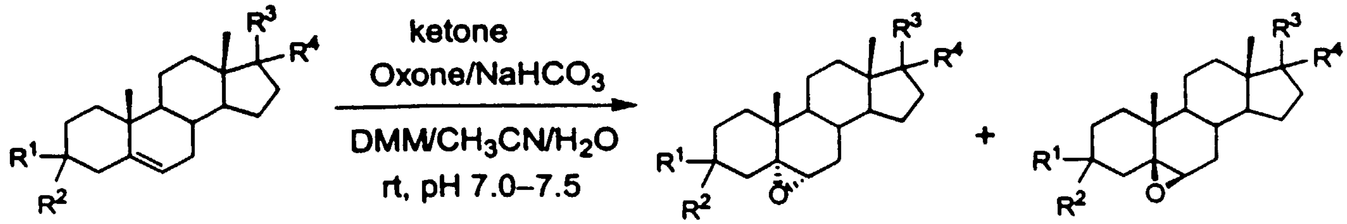


17 R^1, R^2 = O
18 R^1, R^2 = OCH_2CH_2O



19 R = H
20 R = Ac

Fig. 2



5–20 **5a–20a** (α-epoxide) **5b–20b** (β-epoxide)

Fig. 3

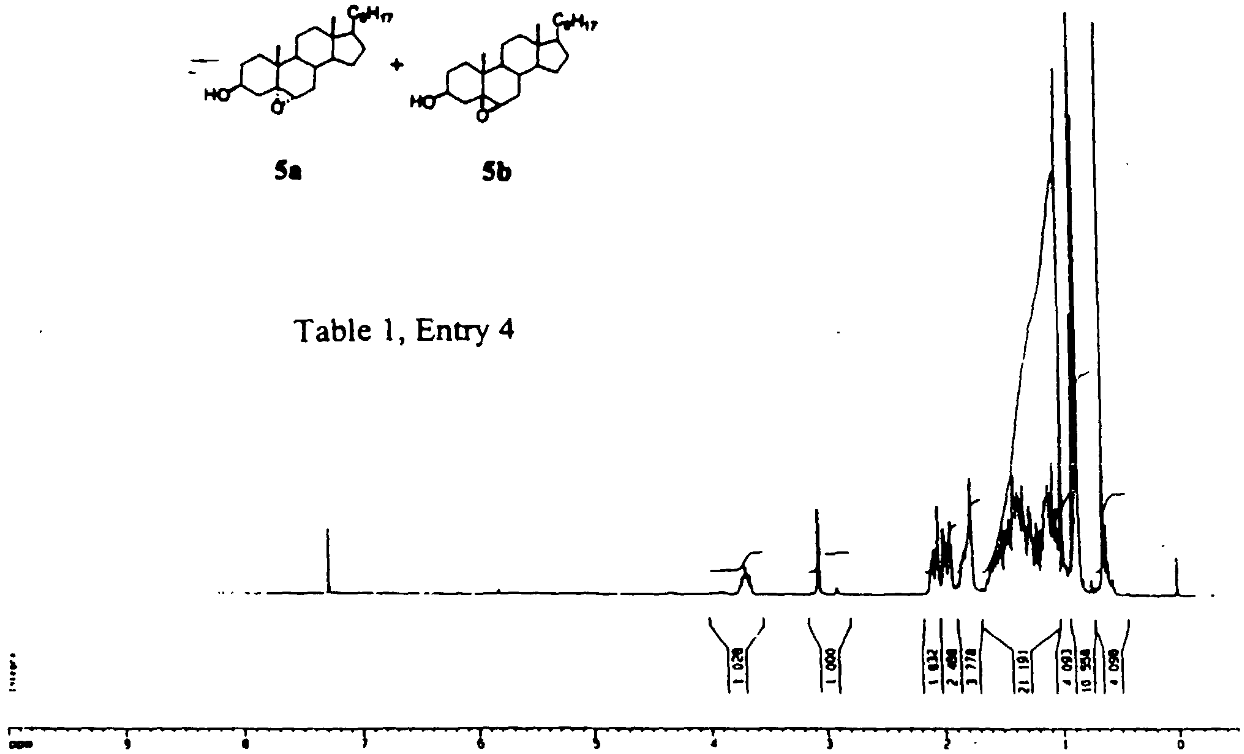


Fig. 4

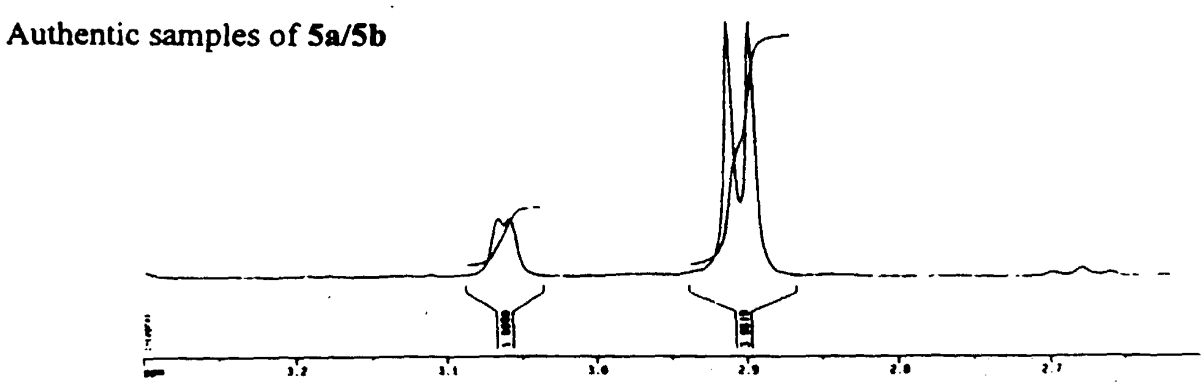


Fig. 5

Table 1, Entry 1

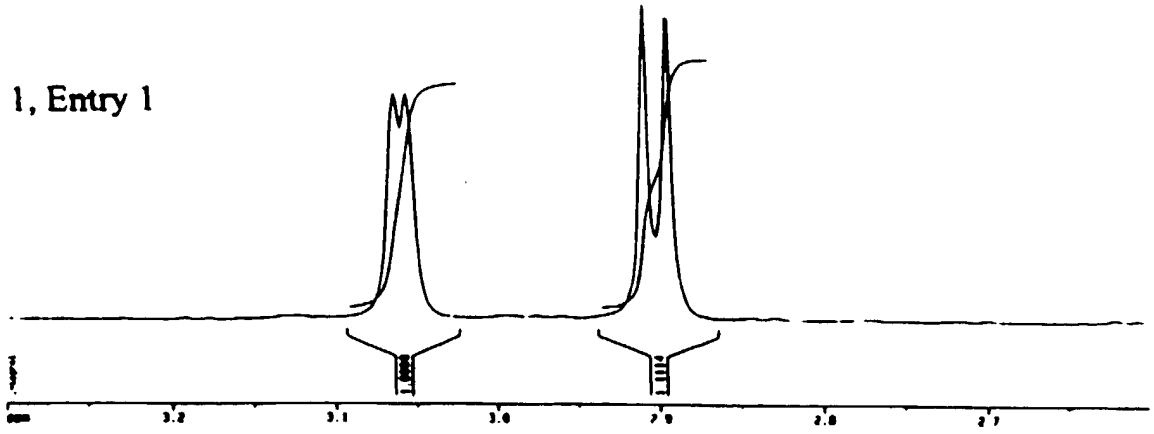


Fig. 6

Table 1, Entry 2

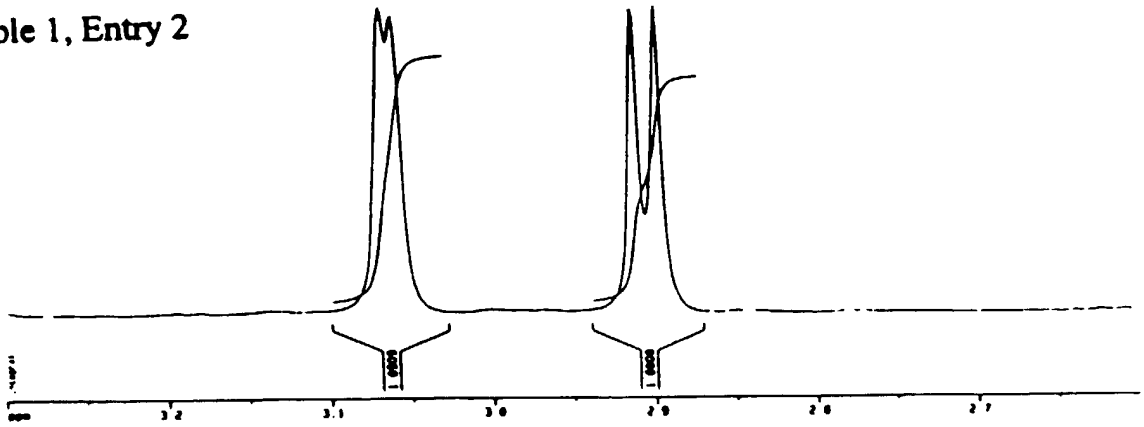


Fig. 7

Table 1, Entry 3

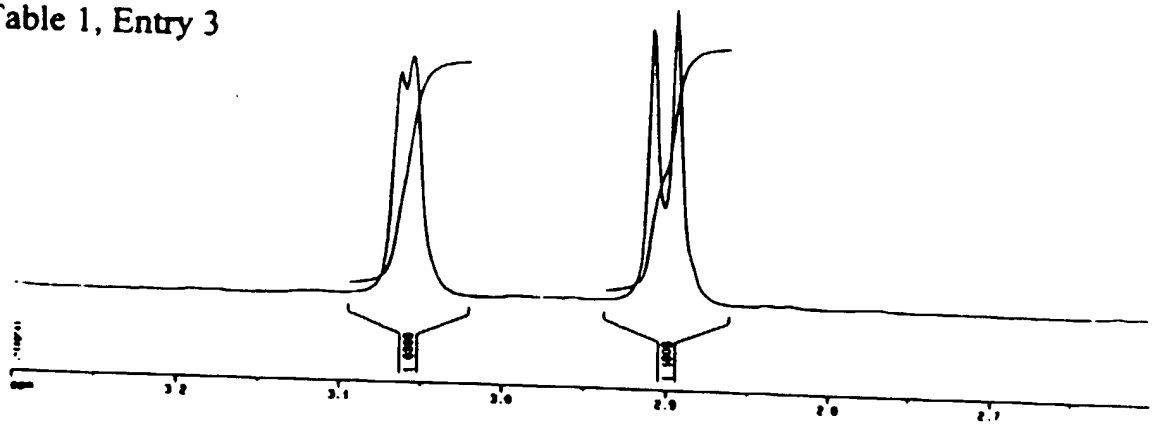


Fig. 8

Table 1, Entry 4

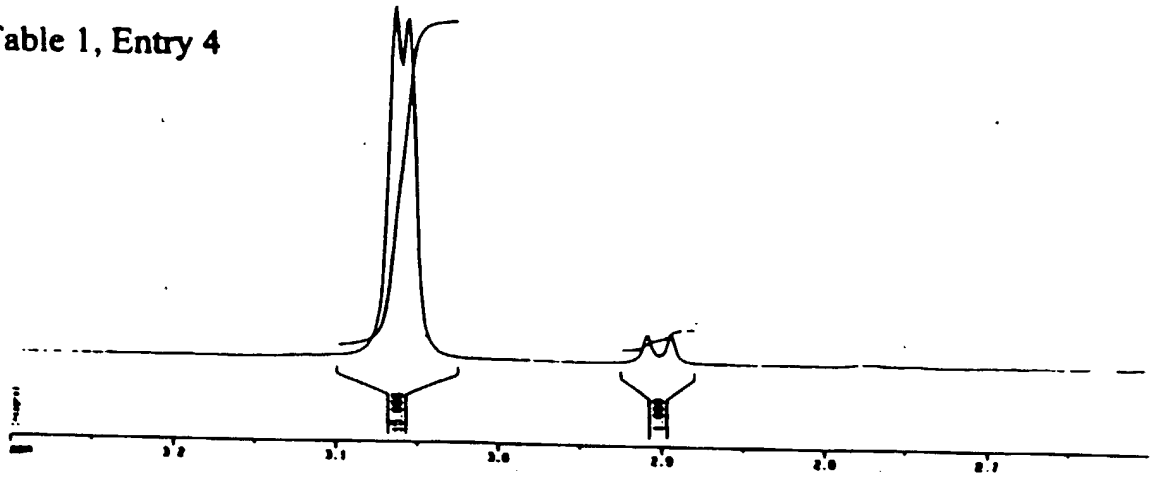
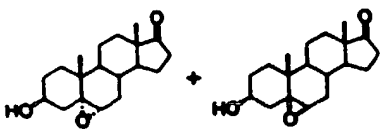


Fig. 9



6a 6b

Table 1, Entry 5

Fig. 10

Authentic samples of **6a/6b**

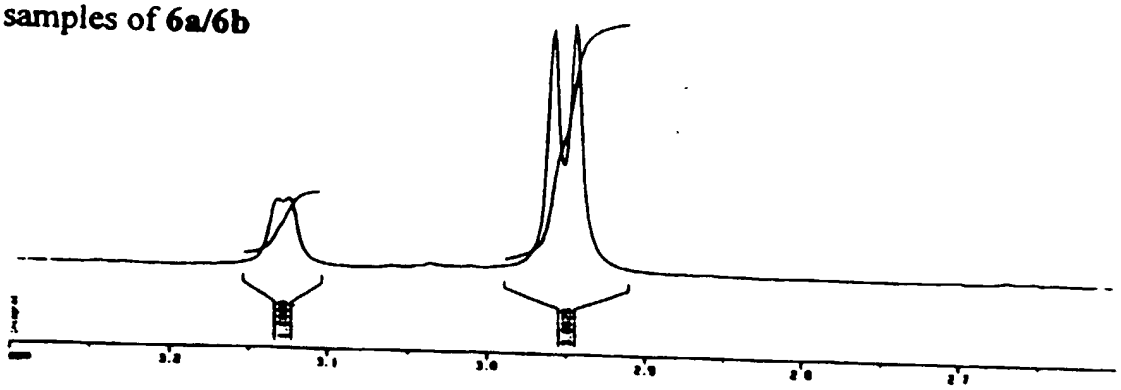


Fig. 11

Table 1, Entry 5

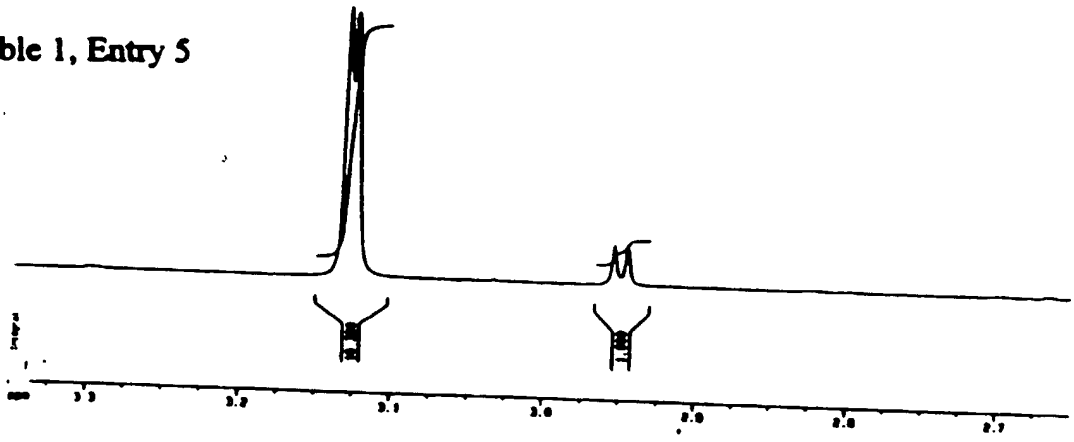
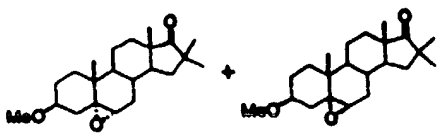


Fig. 12



7a 7b

Table 1, Entry 6

Fig. 13

Authentic samples of **7a/7b**

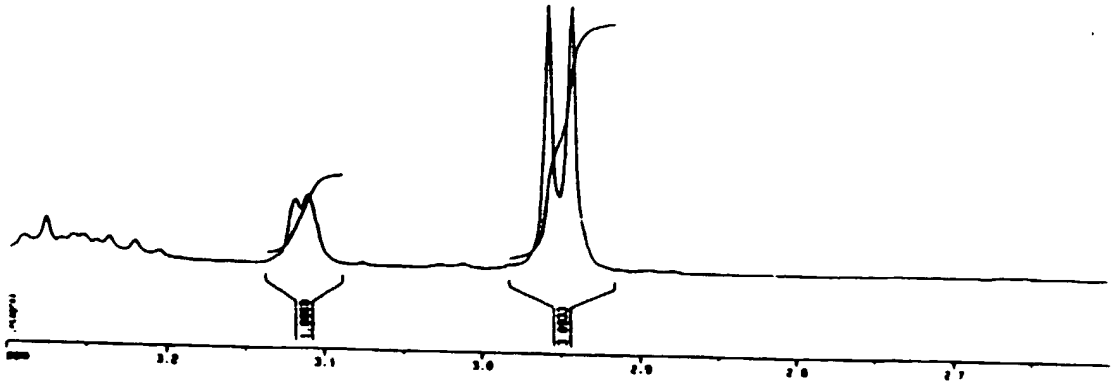


Fig. 14

Table 1, Entry 6

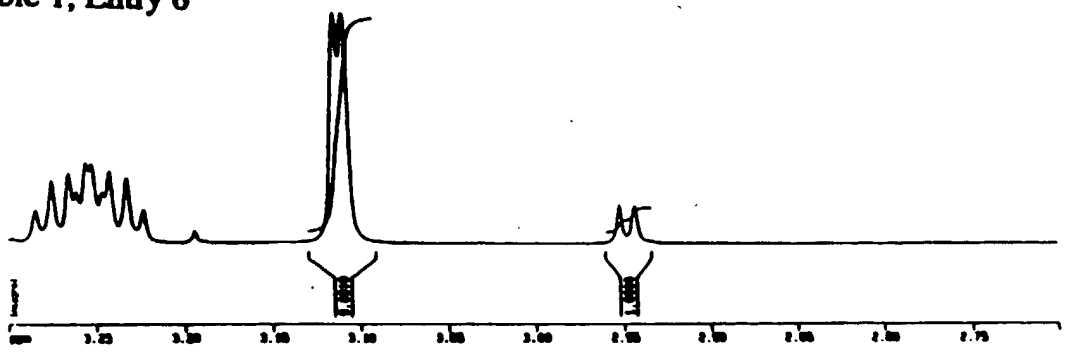
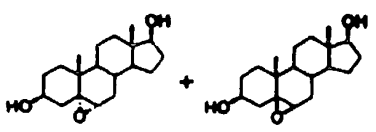


Fig. 15



8a **8b**

Table 1, Entry 7

Fig. 16

Authentic samples of **8a/8b**

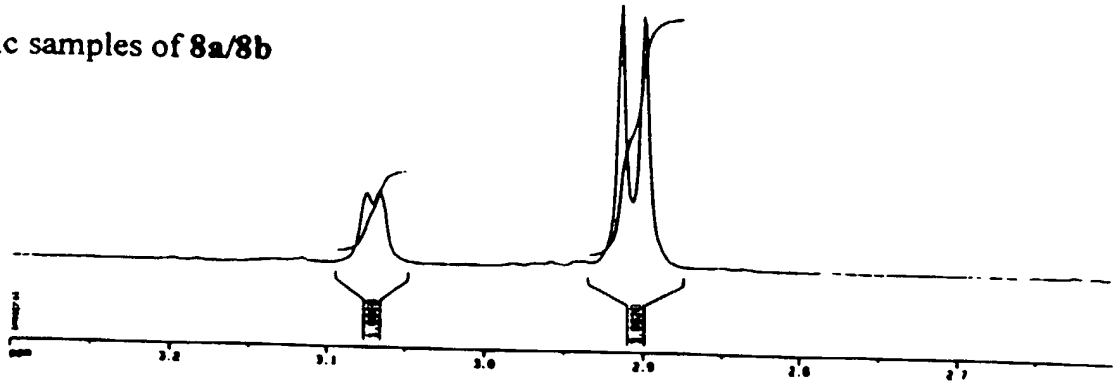


Fig. 17

Table 1, Entry 7

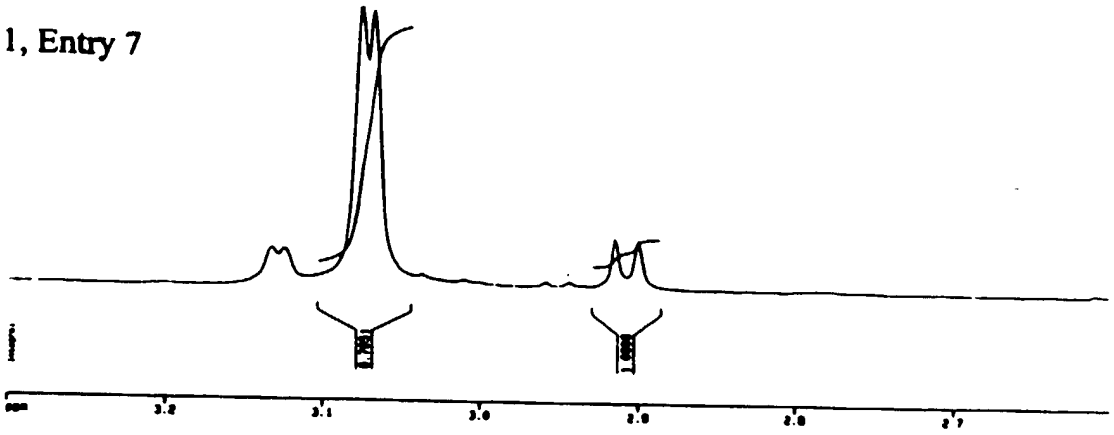
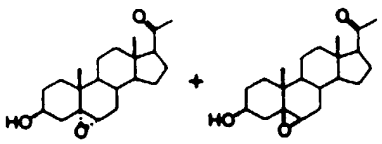


Fig. 18



9a **9b**

Table 1, Entry 8

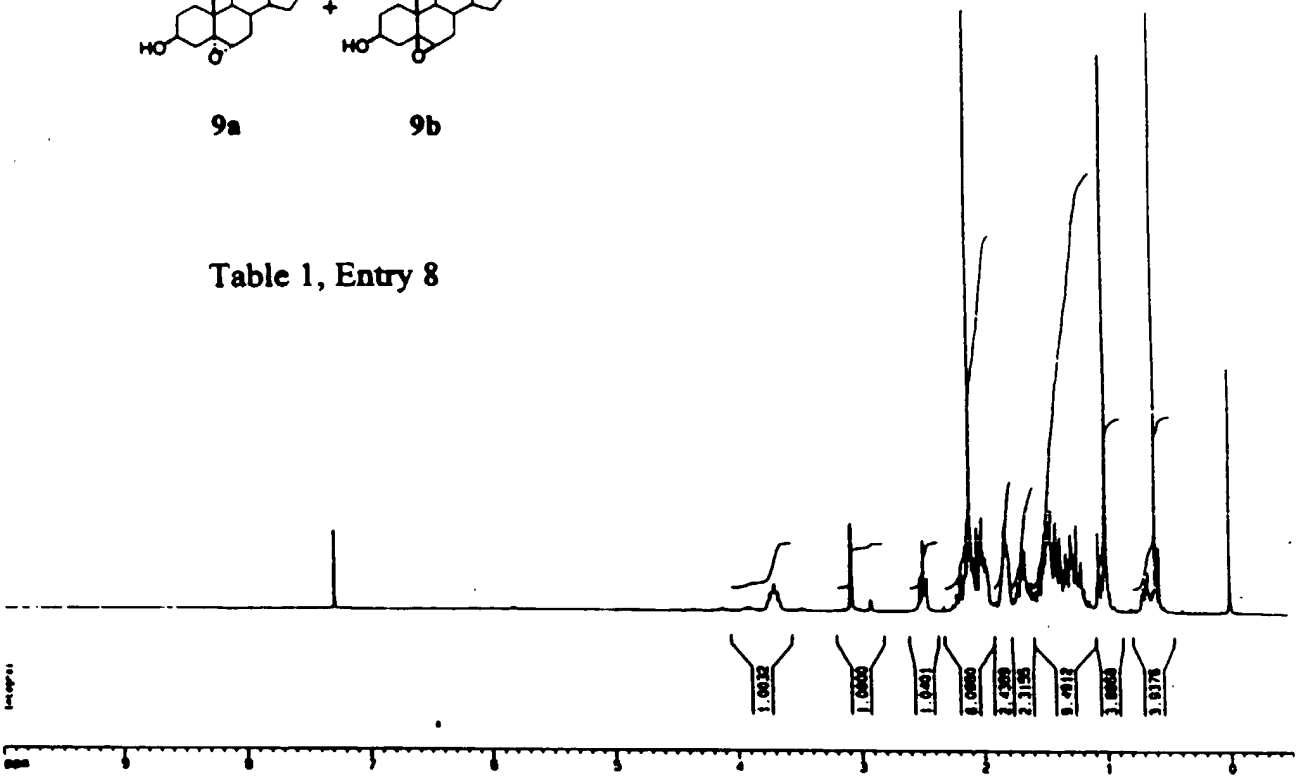


Fig. 19

Authentic samples of **9a/9b**

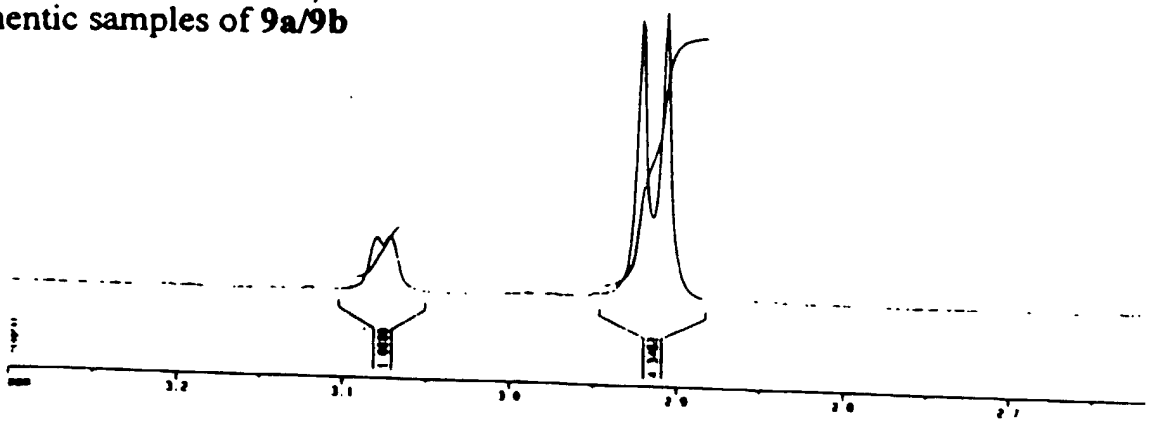


Fig. 20

Table 1, Entry 8

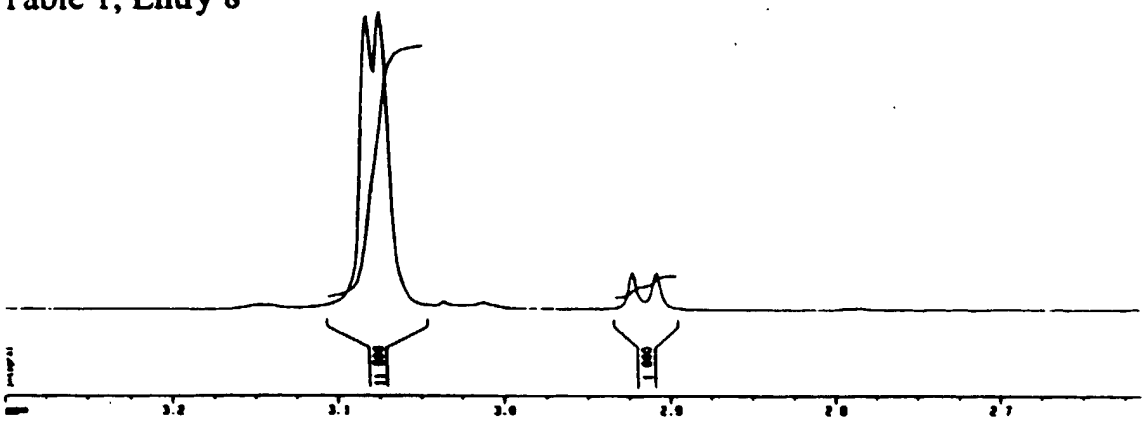


Fig. 21

Table 1, Entry 9

(10 mmol scale)

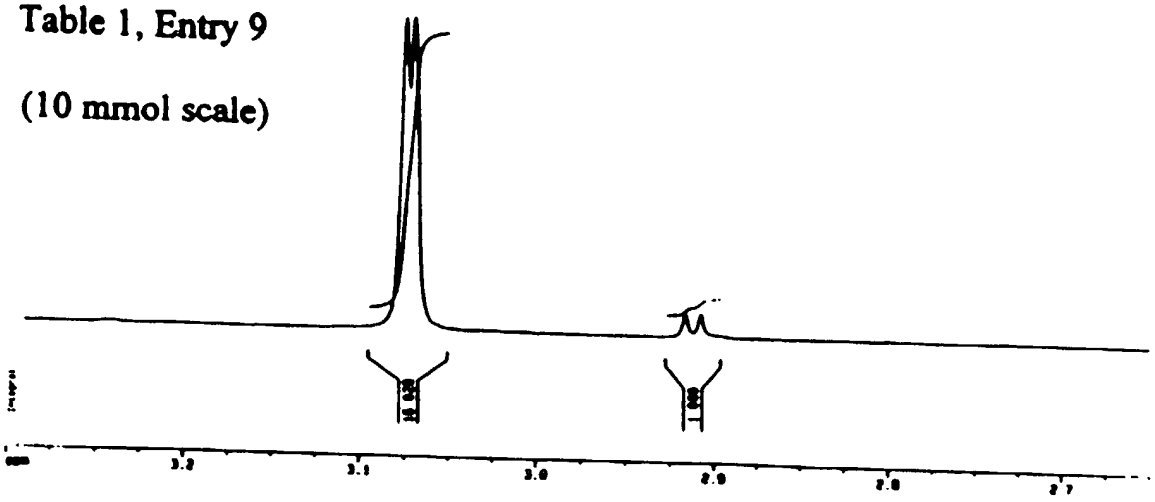
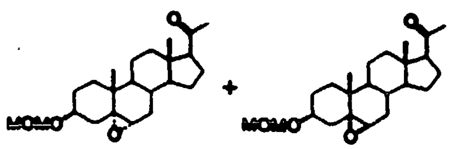


Fig. 22



10a **10b**

Table 1, Entry 10

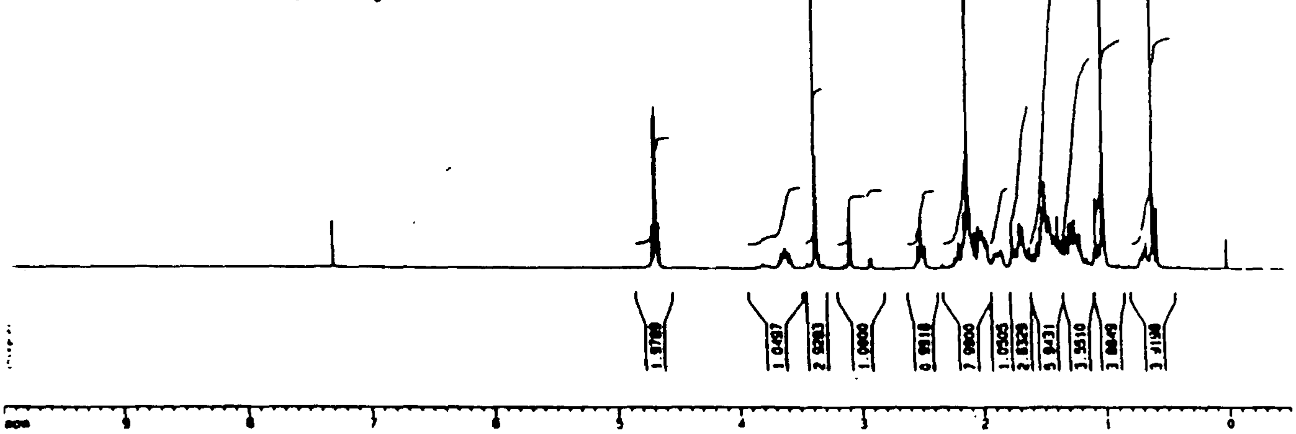


Fig. 23

Authentic samples of **10a/10b**

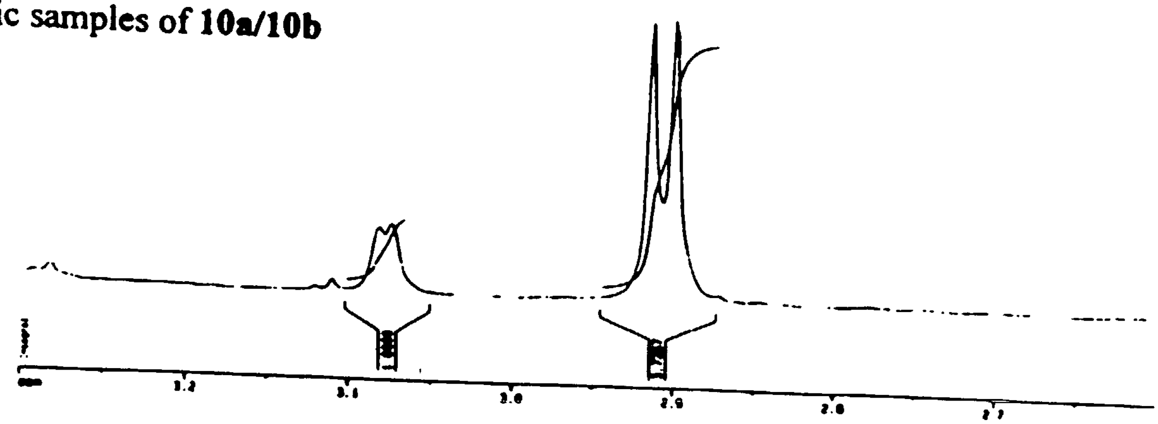


Fig. 24

Table 1, Entry 10

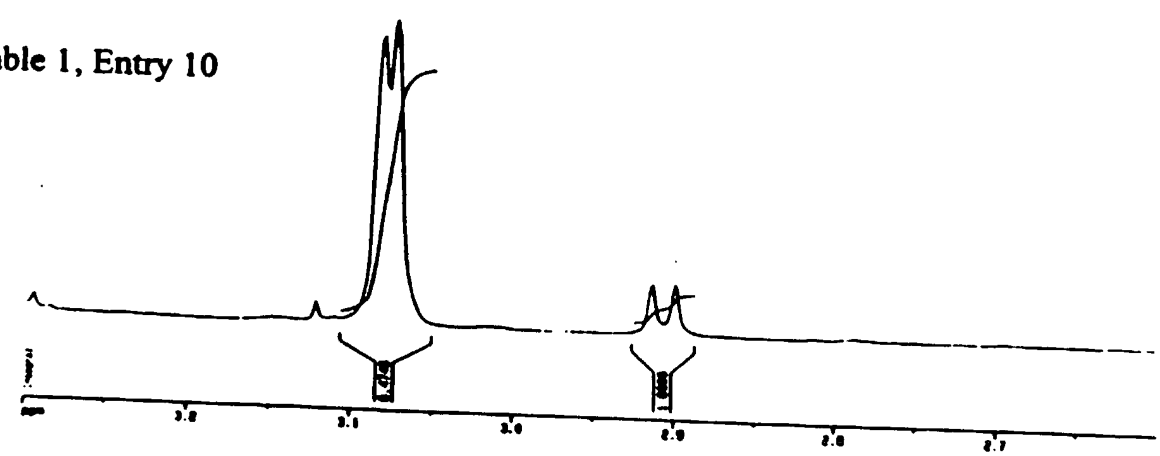
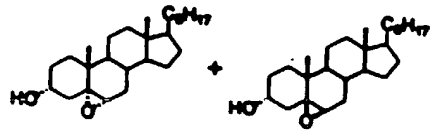


Fig. 25



11a 11b

Table 2, Entry 2

Fig. 26

Authentic samples of **11a/11b**

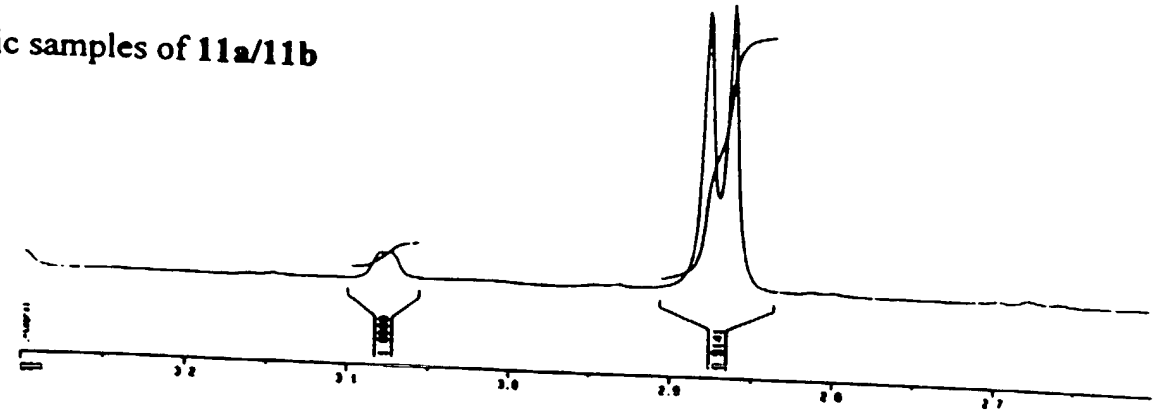


Fig. 27

Table 2, Entry 1

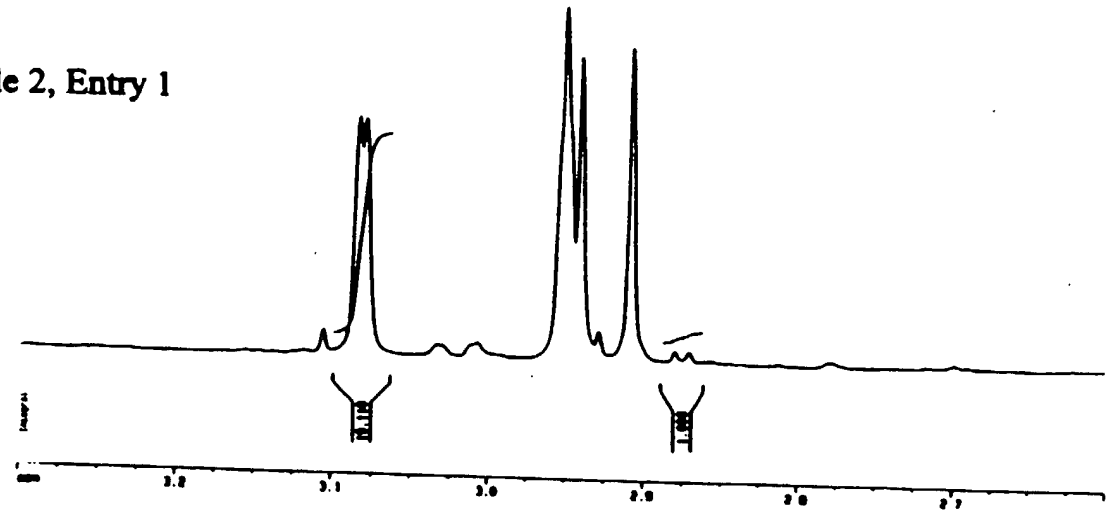


Fig. 28

Table 2, Entry 2

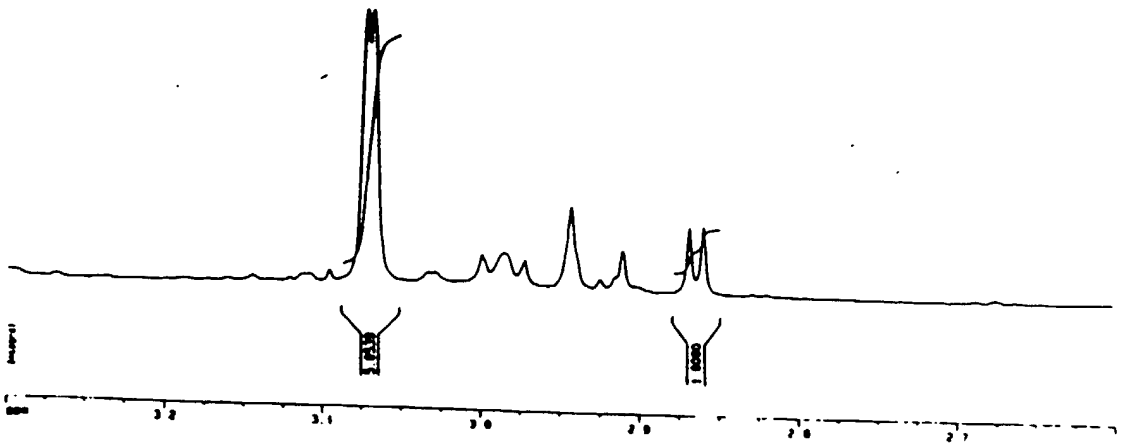


Fig. 29

Table 2, Entry 3

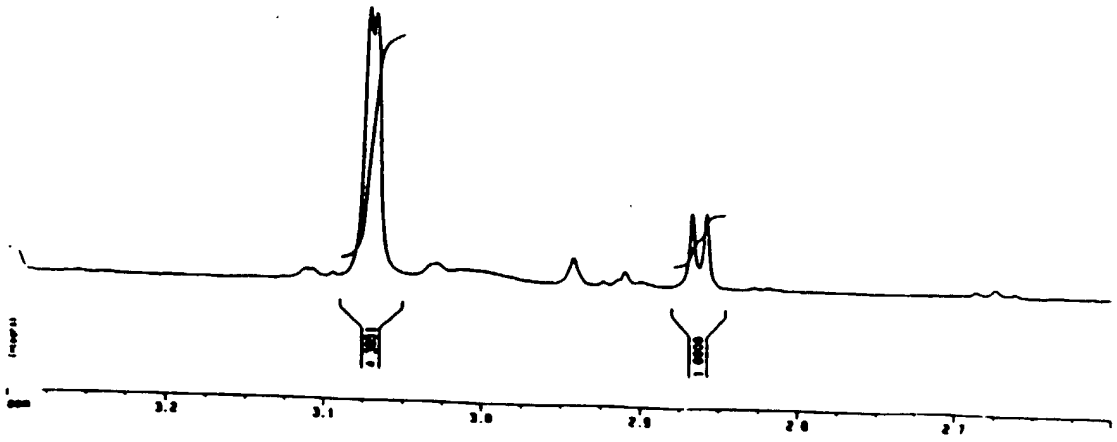


Fig. 30

Table 2, Entry 4

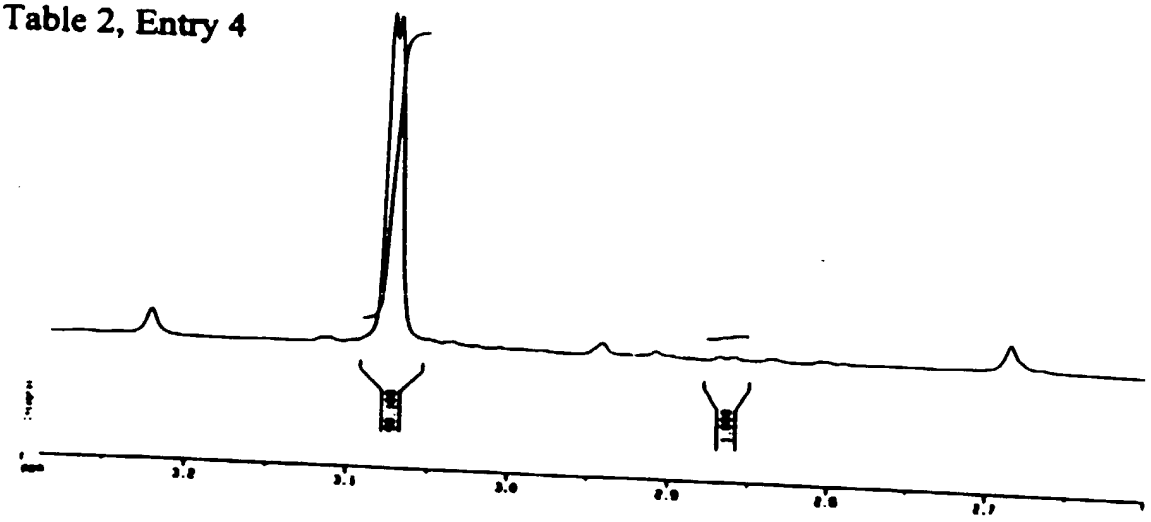
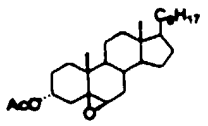


Fig. 31



12b

Table 2, Entry 5

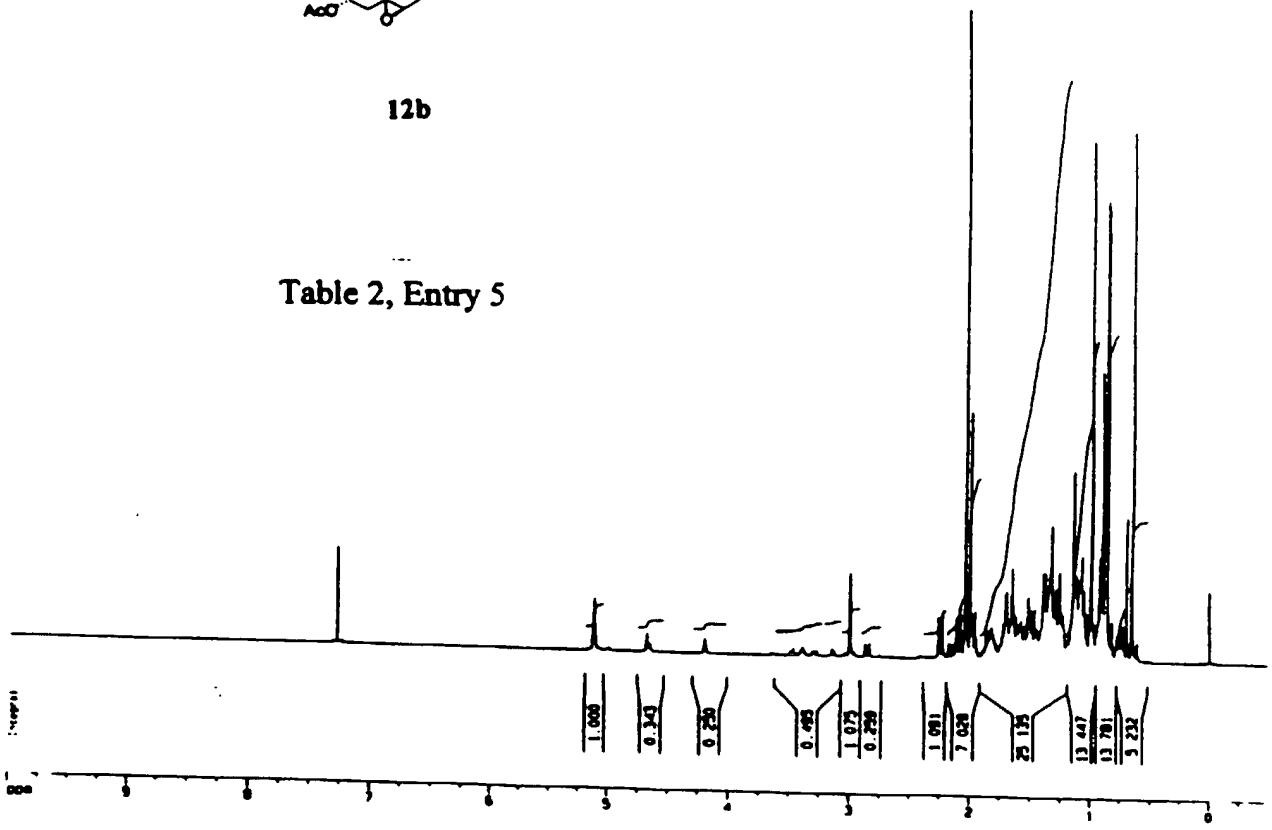


Fig. 32

Authentic samples
of **12a/12b**

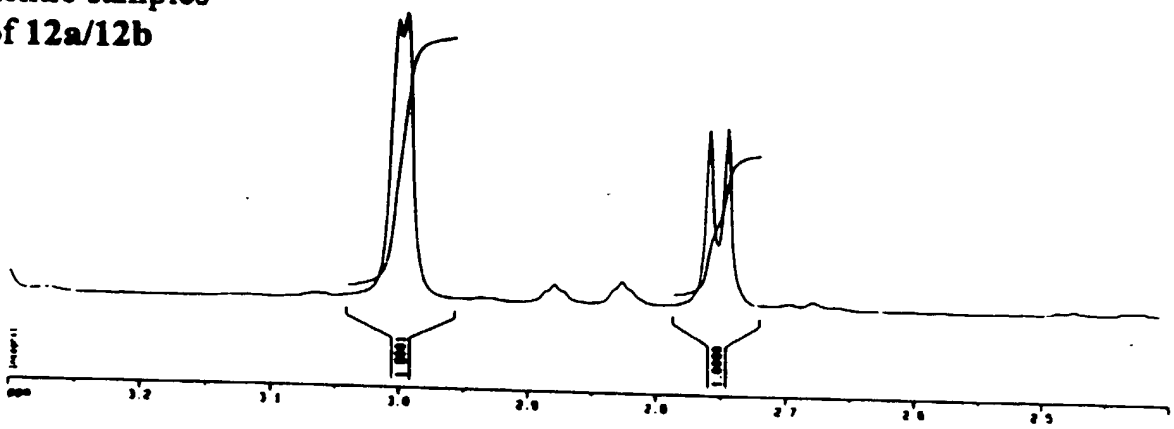


Fig. 33

Table 2, Entry 5

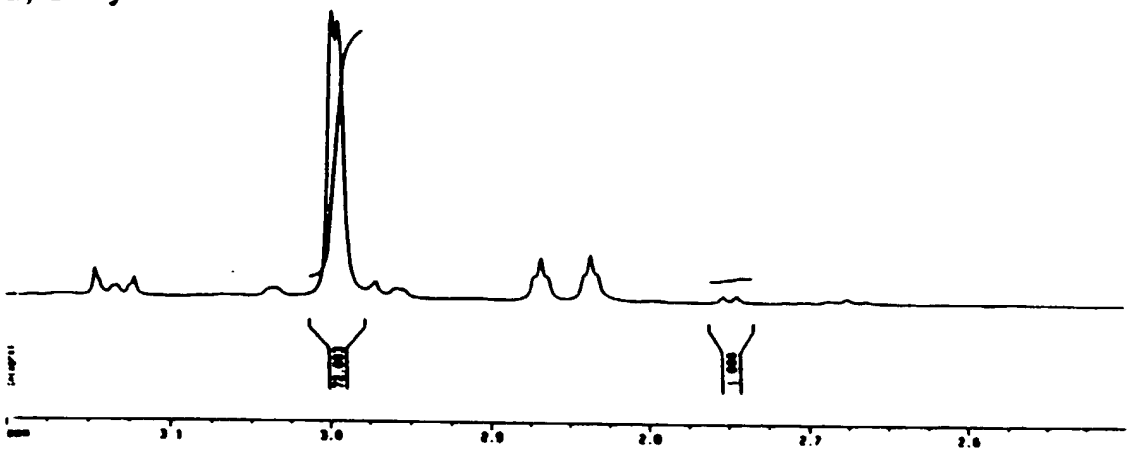


Fig. 34

Table 2, Entry 6

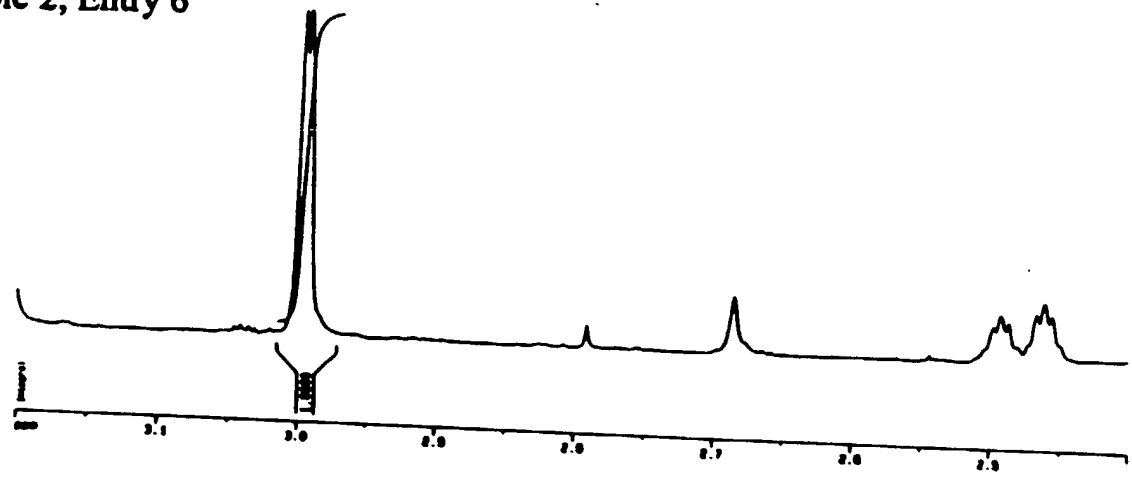
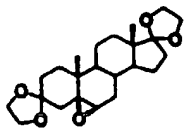


Fig. 35



13b

Table 2, Entry 8

Fig. 36

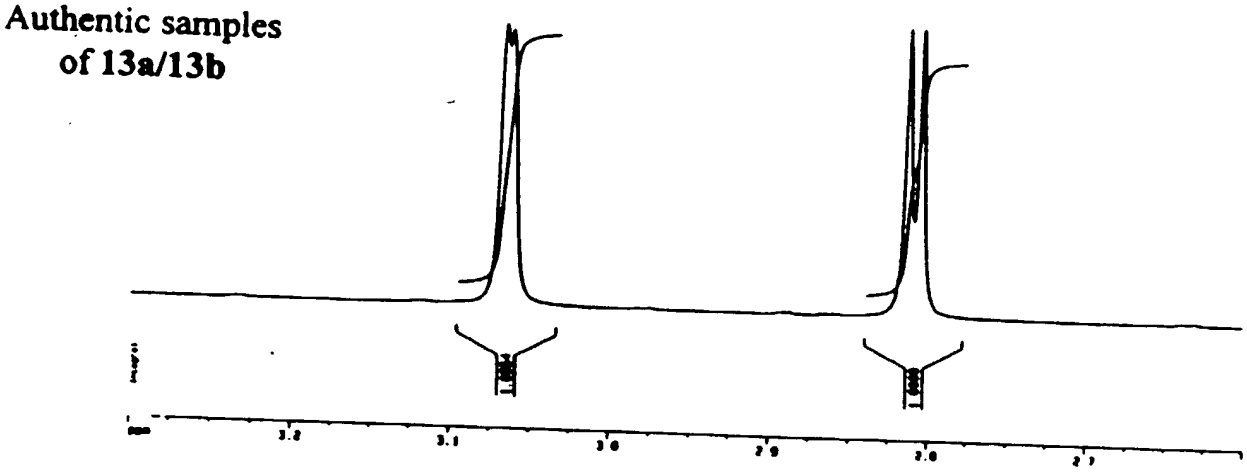


Fig. 37

Table 2, Entry 7

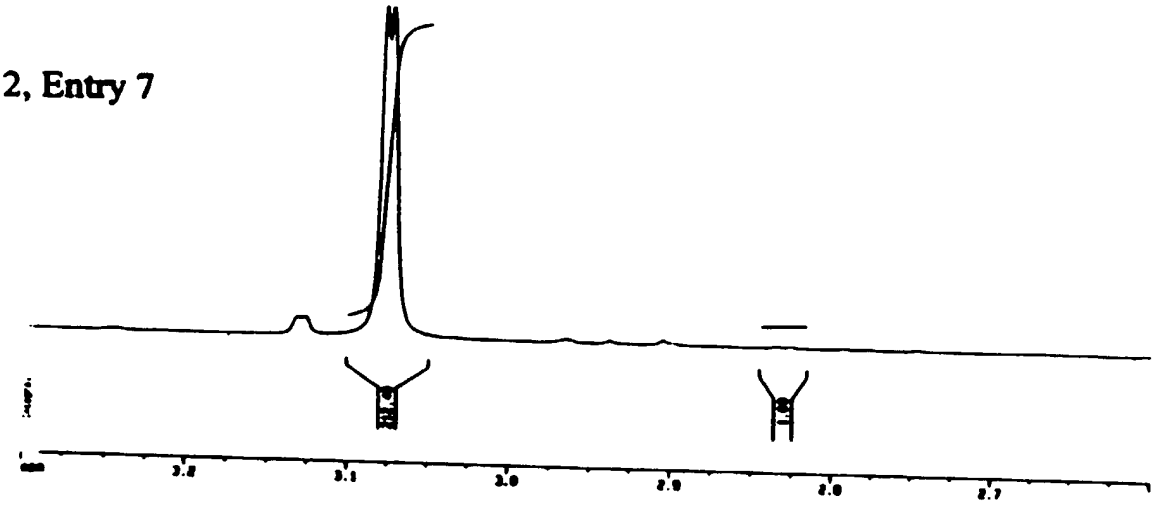


Fig. 38

Table 2, Entry 8

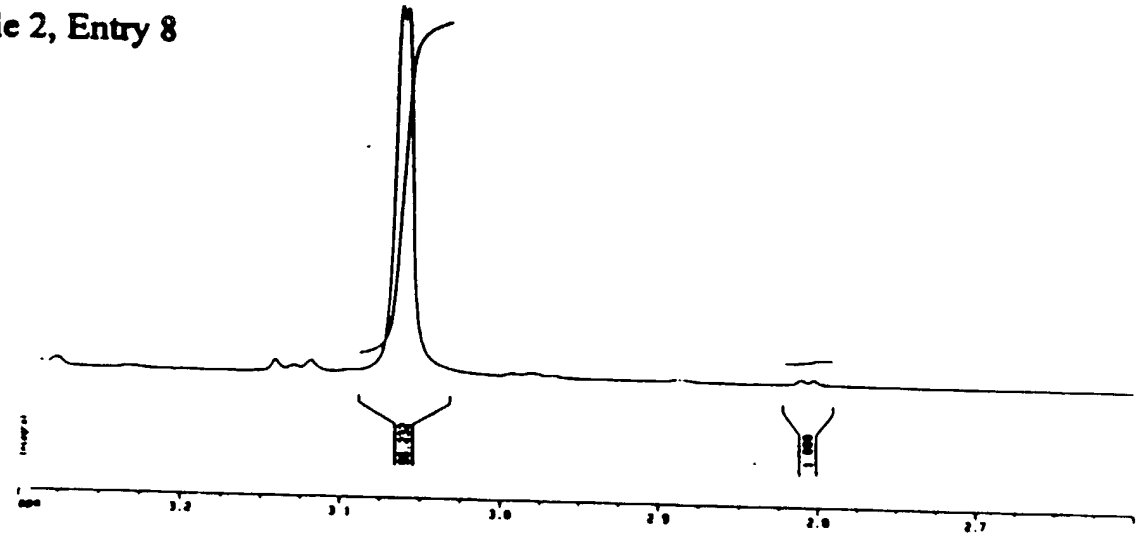


Fig. 39

Table 2, Entry 9

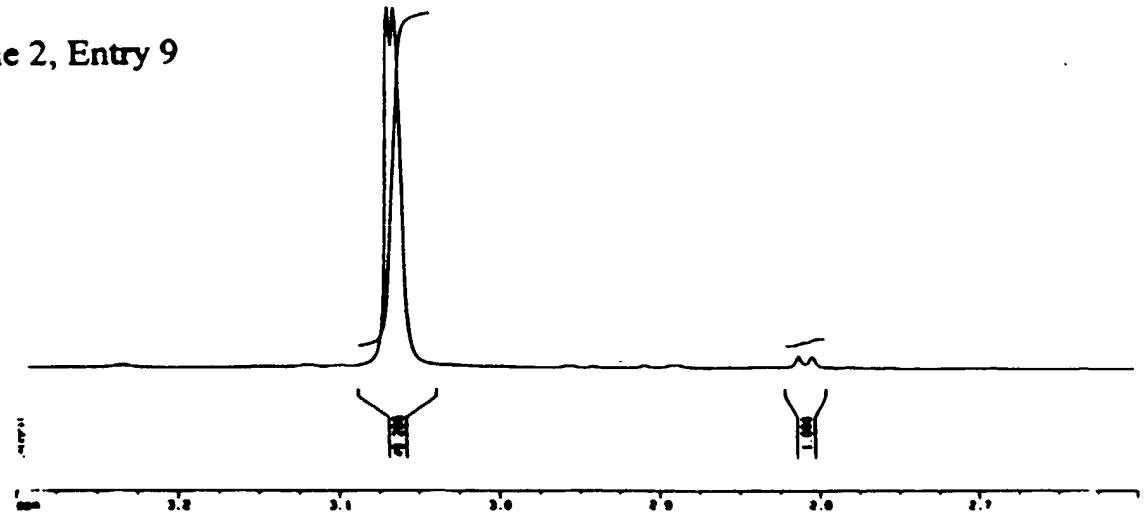


Fig. 40

Table 2, Entry 10

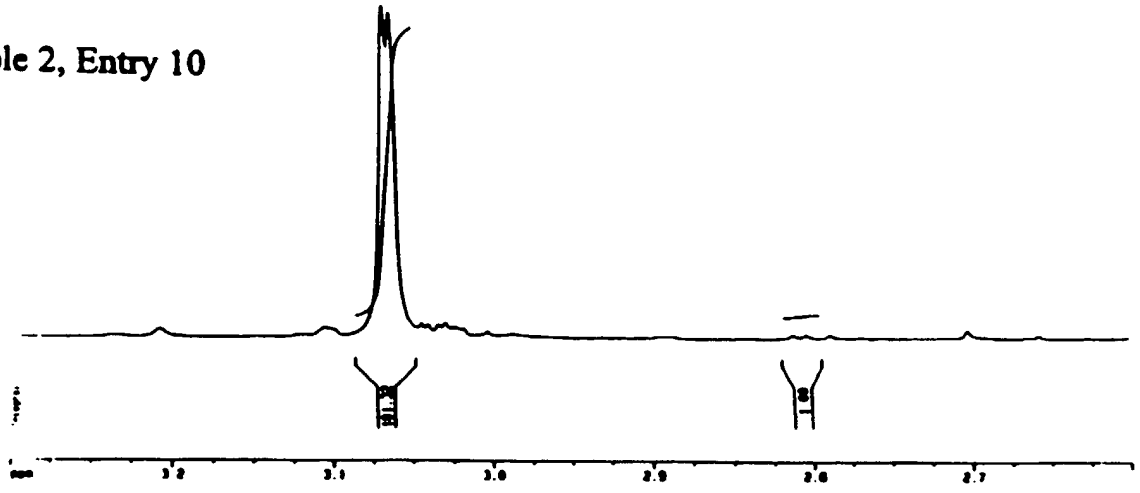
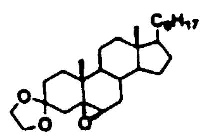


Fig. 41



14b

Table 2, Entry 11

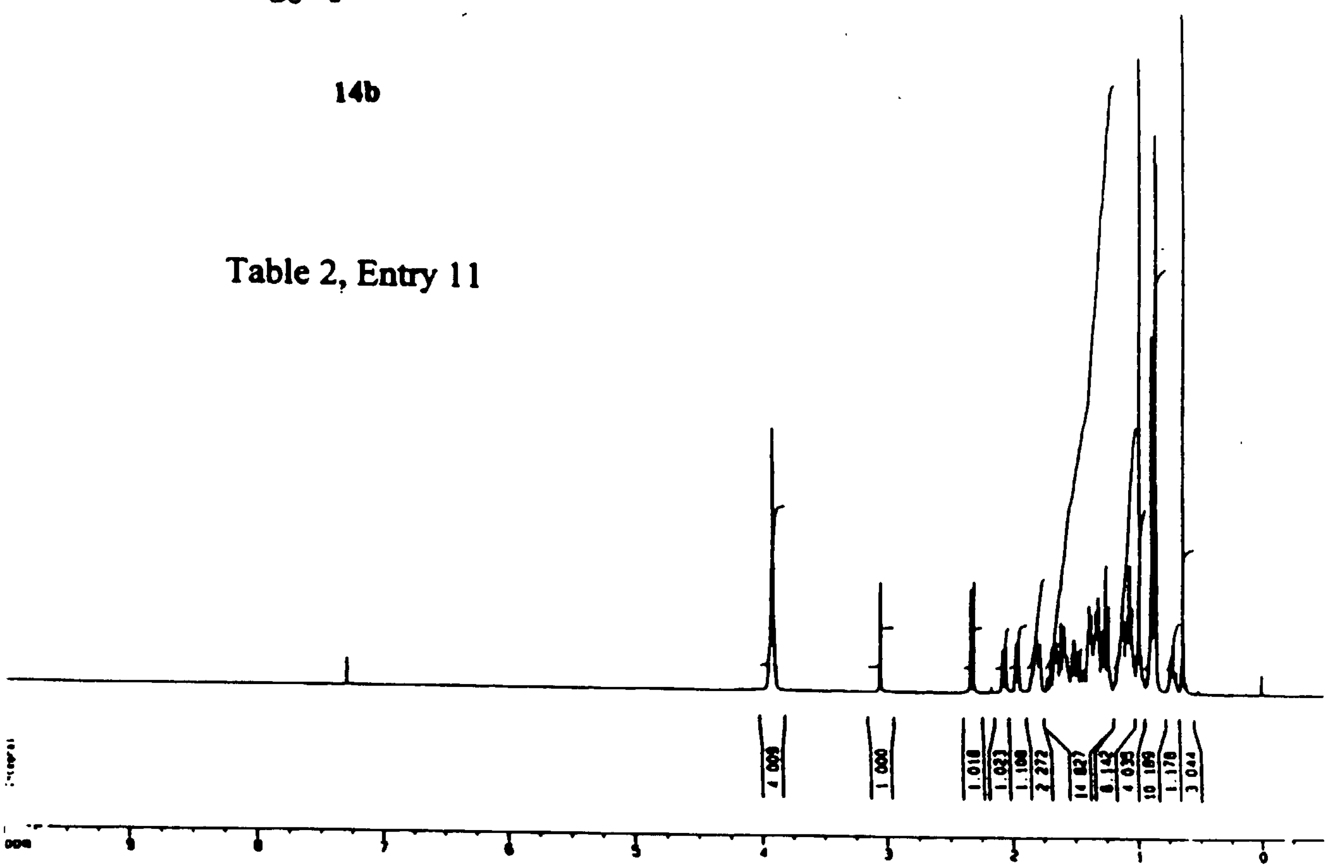


Fig. 42

Authentic samples
of **14a/14b**

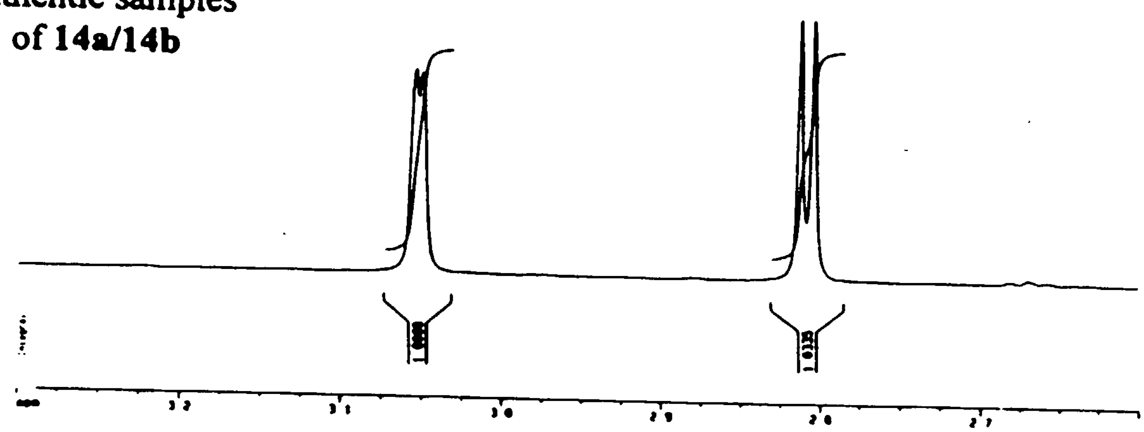


Fig. 43

Table 2, Entry 11

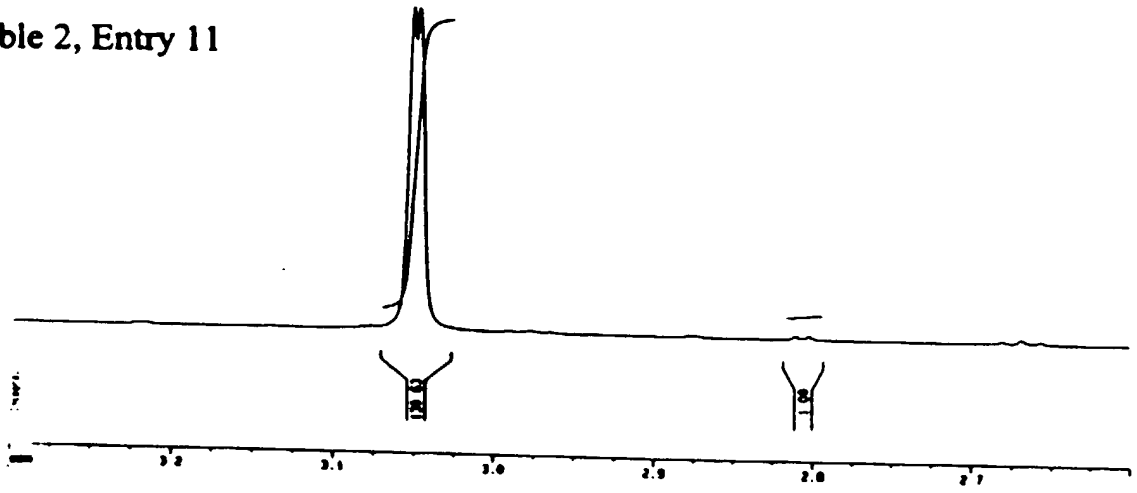


Fig. 44

Table 2, Entry 12

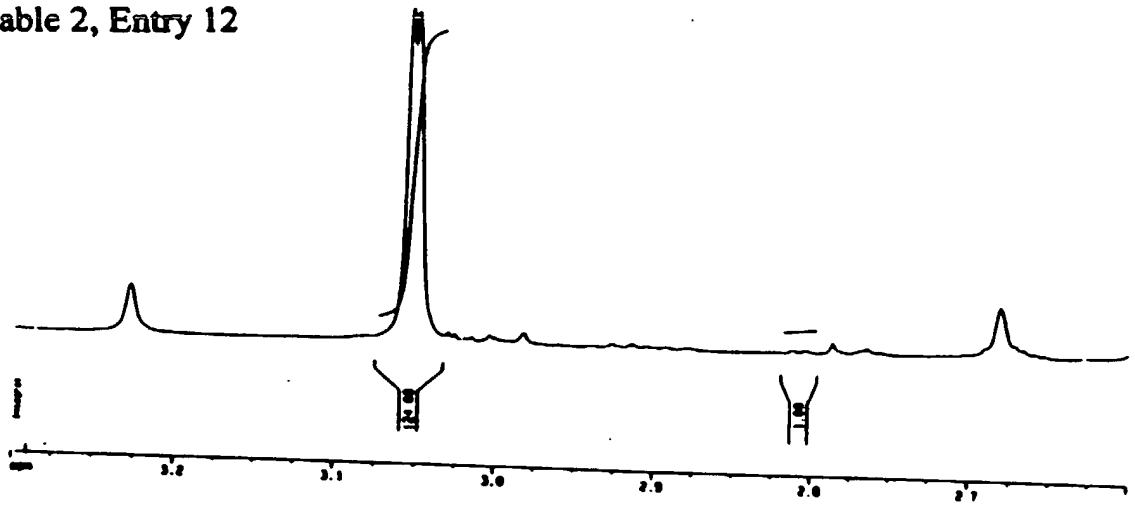
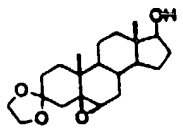


Fig. 45



15b

Table 2, Entry 13

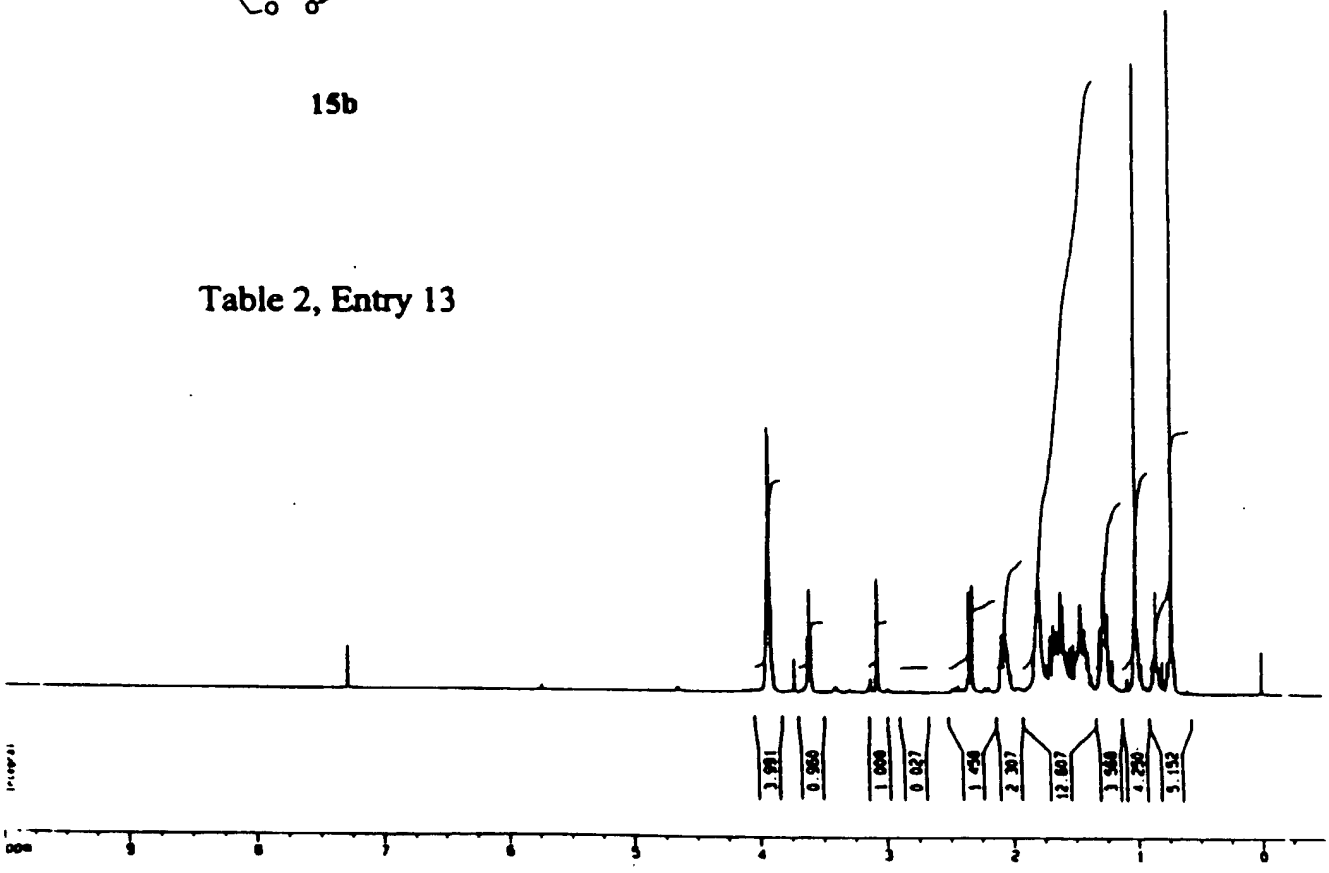


Fig. 46

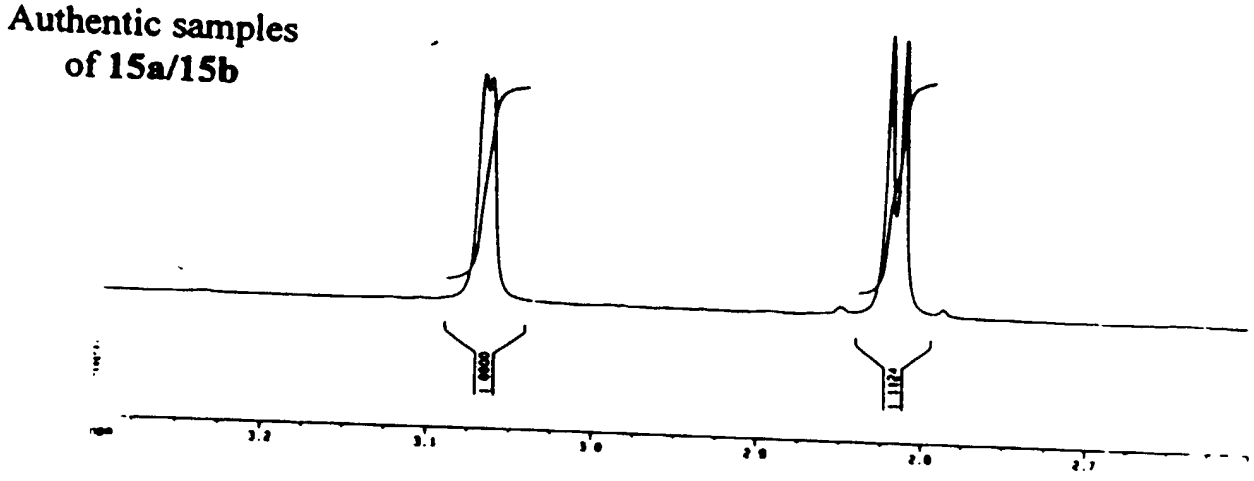


Fig. 47

Table 2, Entry 13

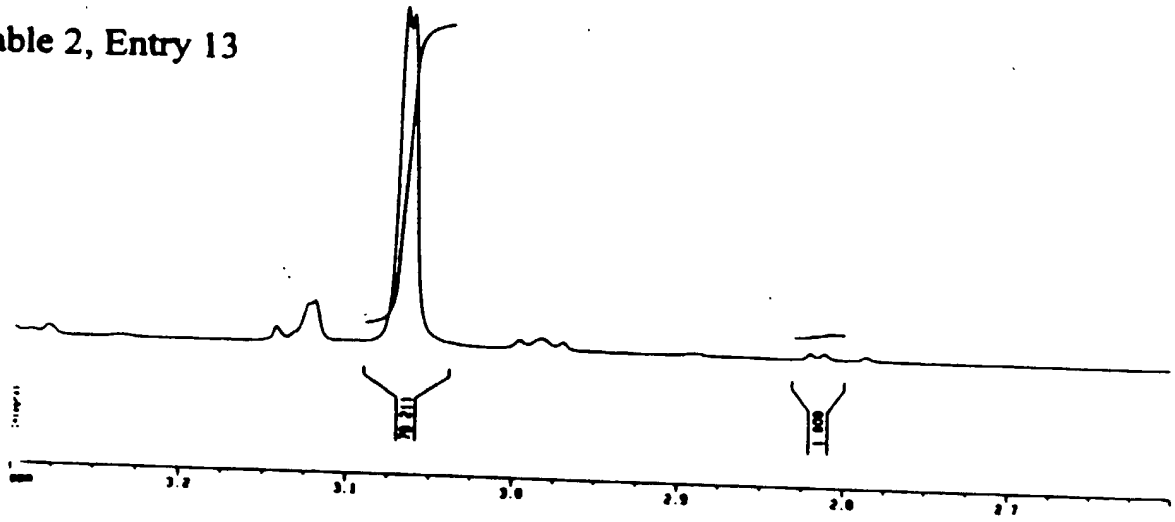


Fig. 48

Table 2, Entry 14

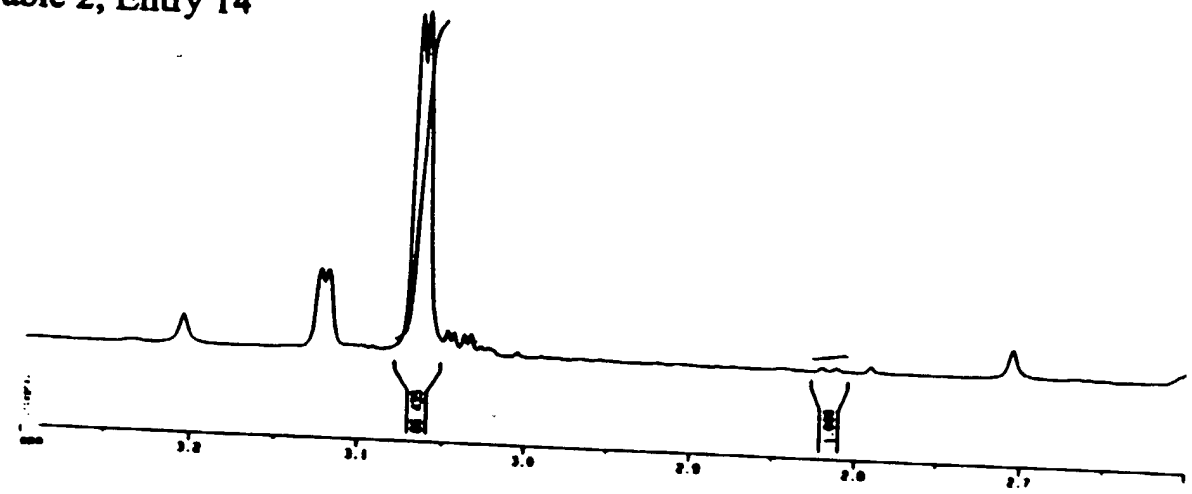
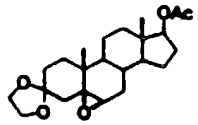


Fig. 49



16b

Table 2, Entry 15

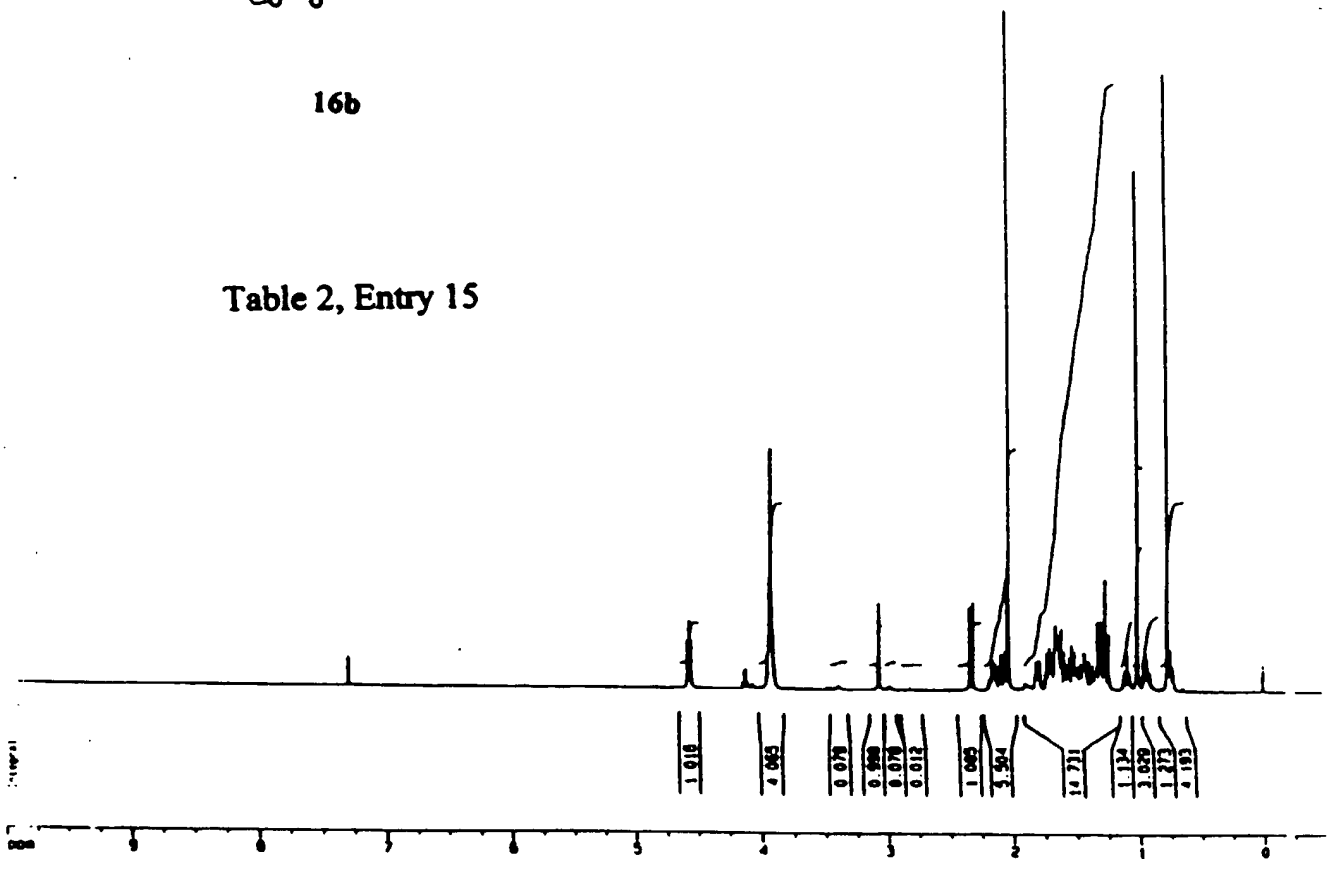


Fig. 50

Authentic samples
of **16a/16b**

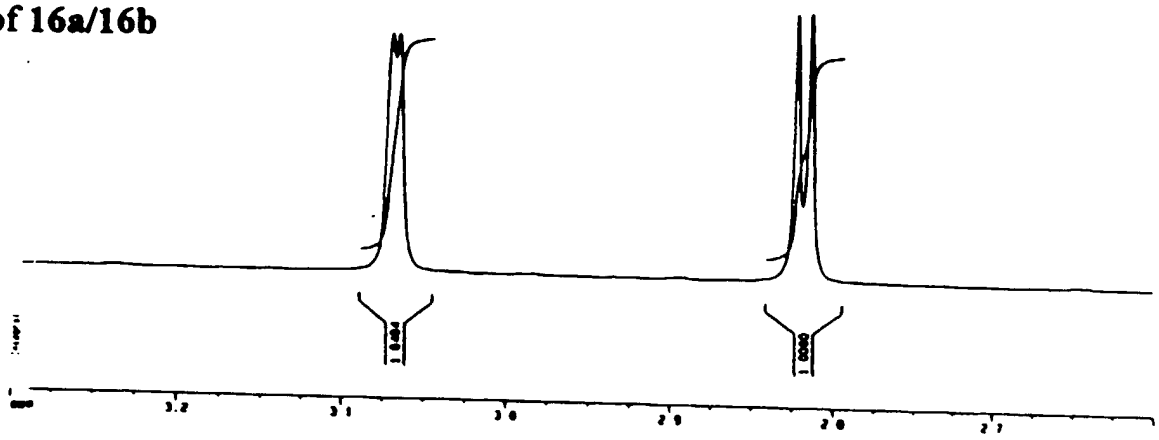


Fig. 51

Table 2, Entry 15

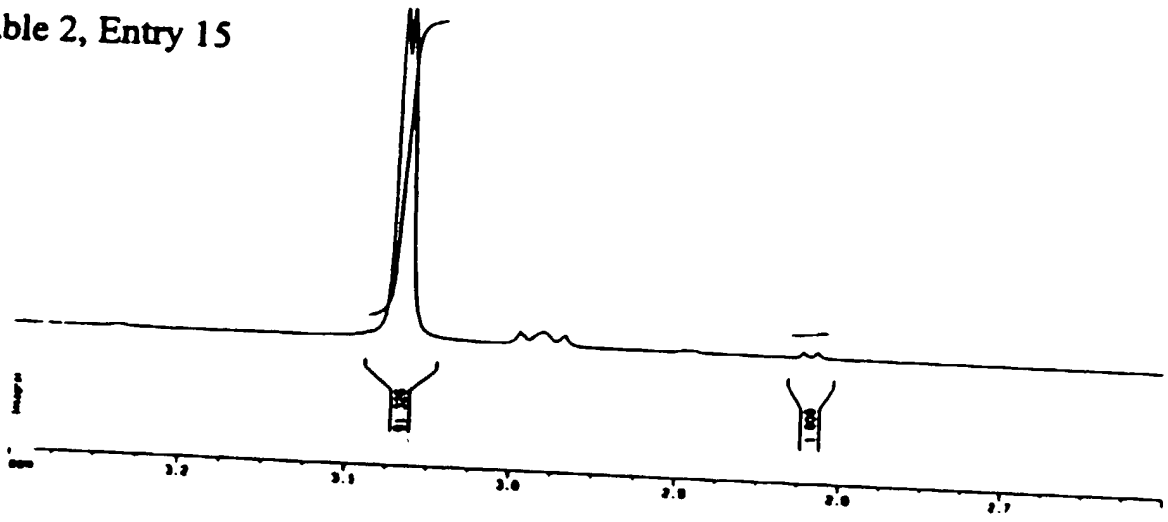


Fig. 52

Table 2, Entry 16

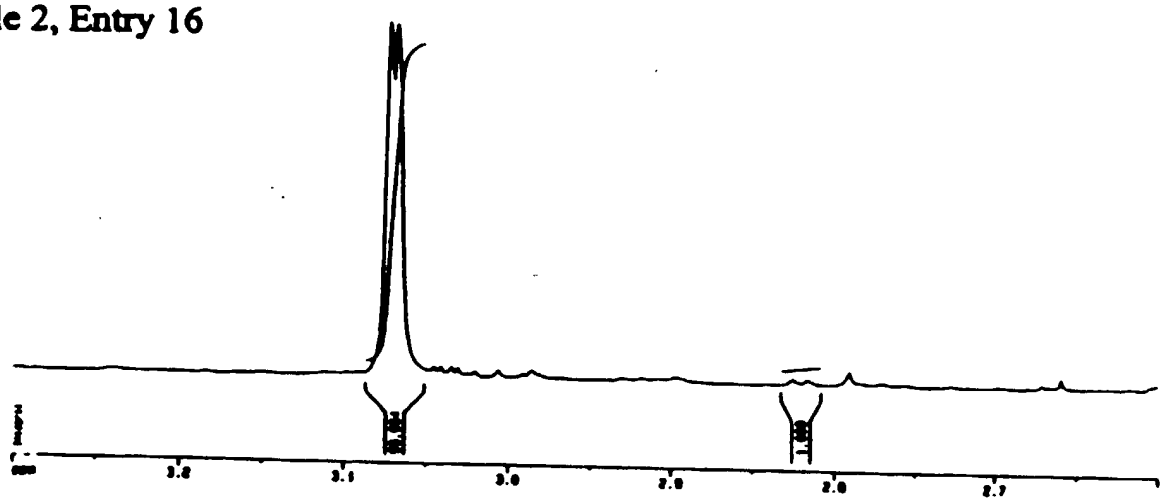
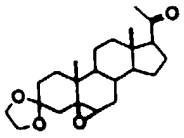


Fig. 53



17b

Table 2, Entry 17

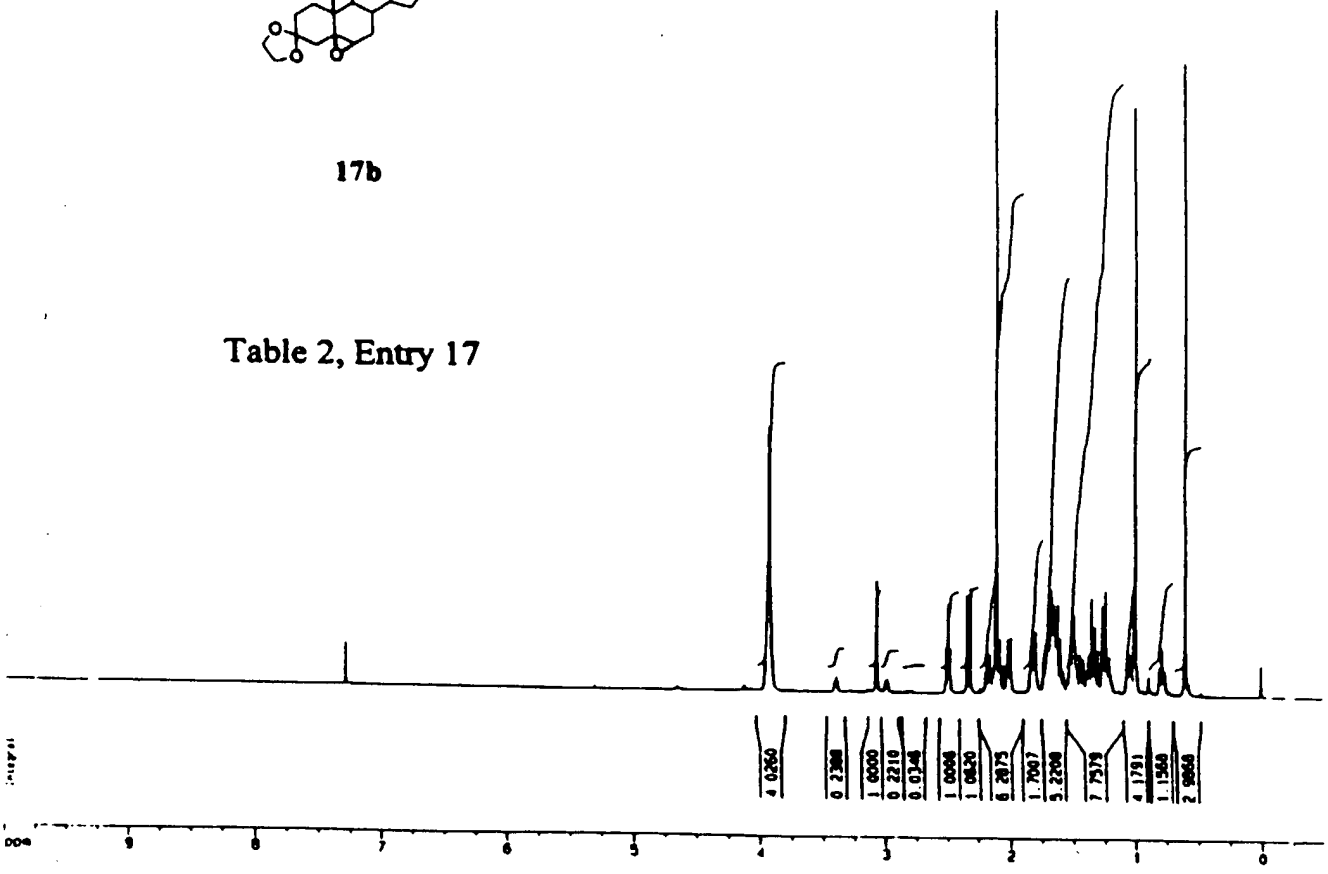


Fig. 54

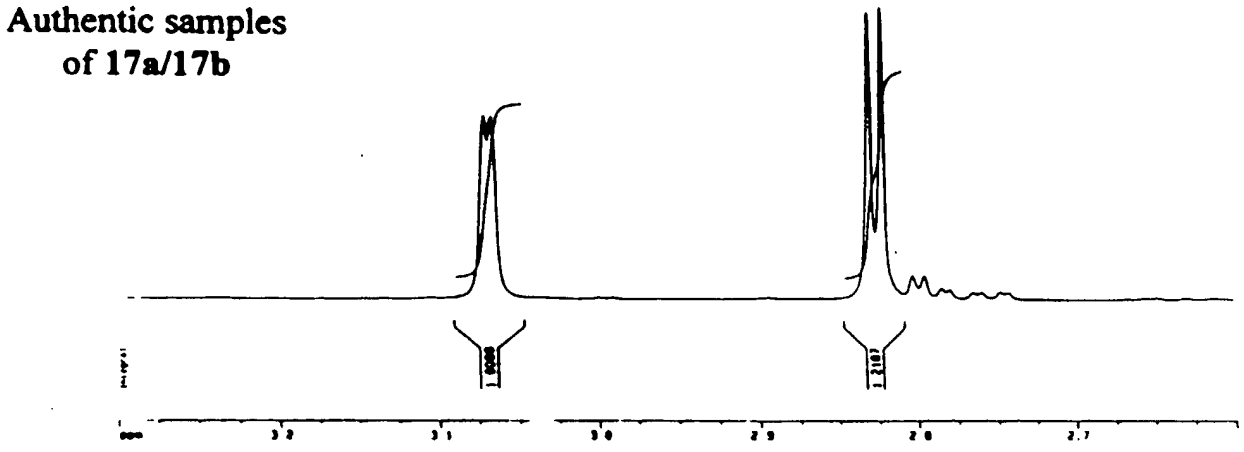


Fig. 55

Table 2, Entry 17

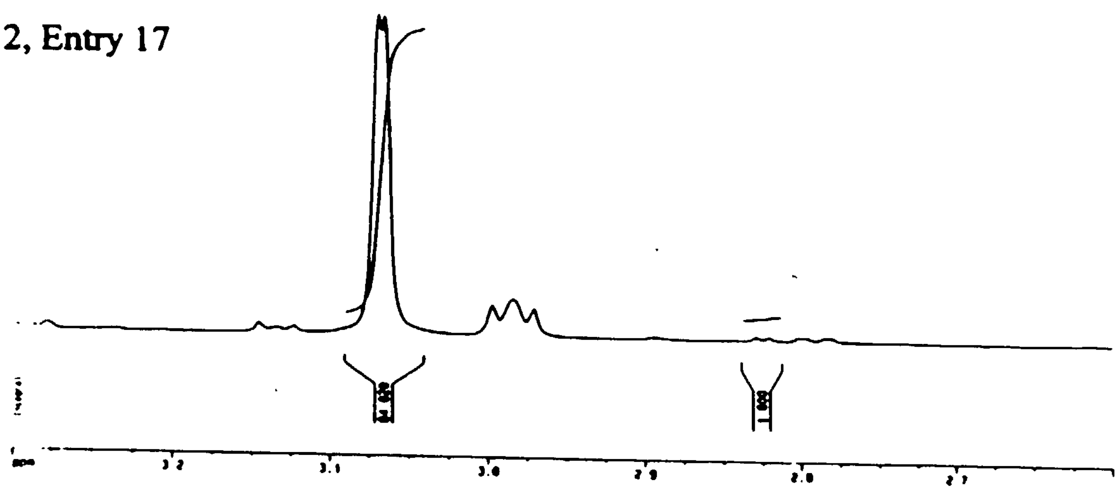


Fig. 56

Table 2, Entry 18

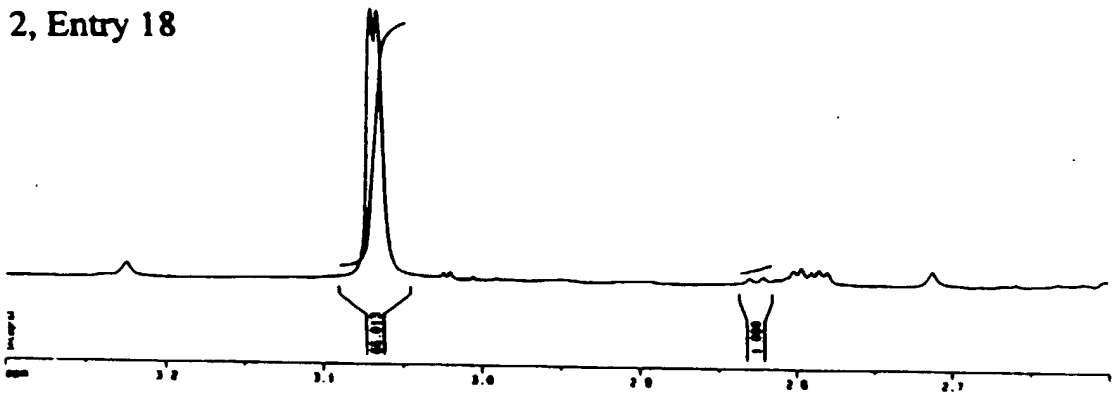


Fig. 57

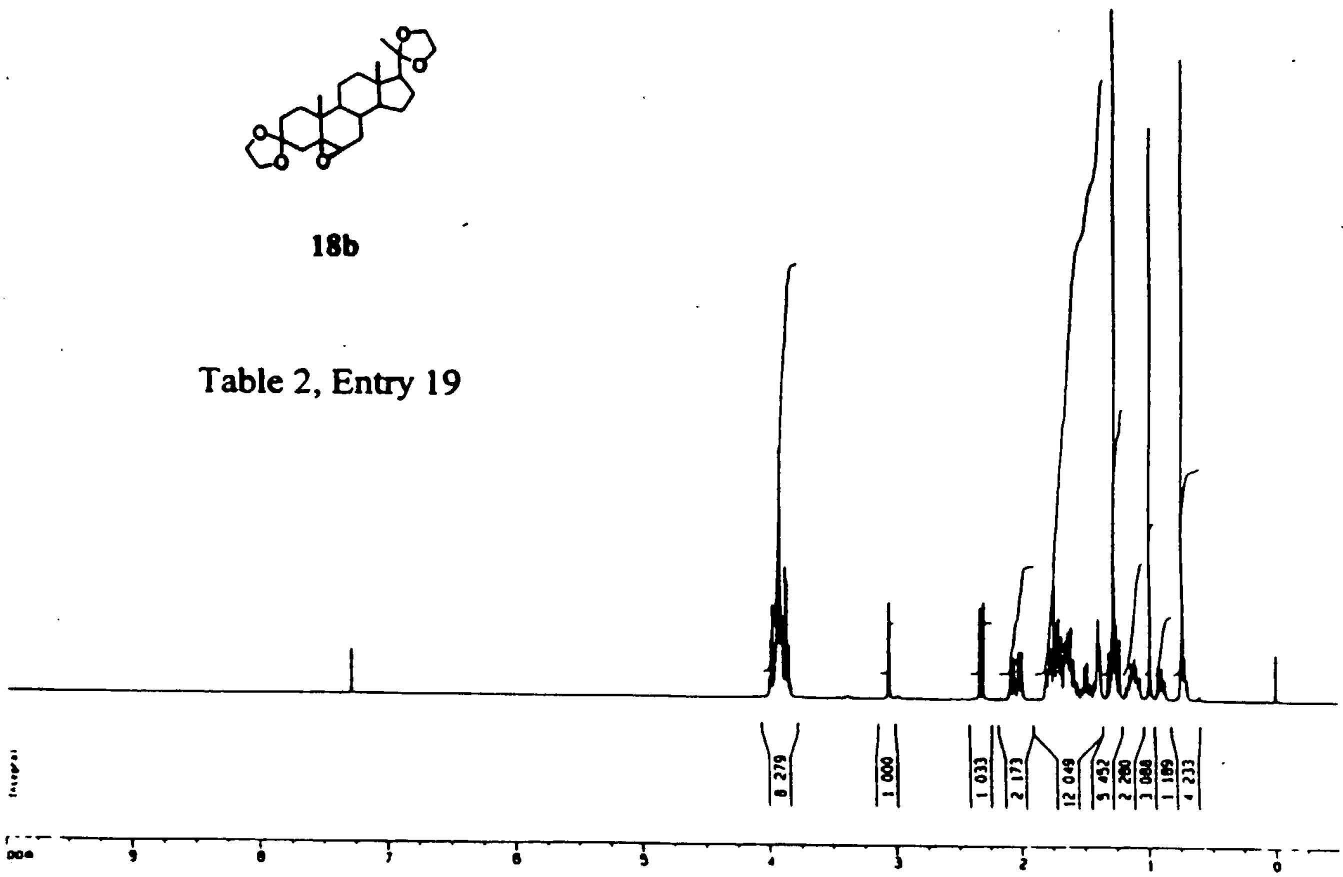

18b
Table 2, Entry 19
8.279
1.000
1.033
2.173
12.049
5.452
2.280
3.088
1.189
4.233
ppm
9
8
7
6
5
4
3
2
1
0

Fig. 58

Authentic samples
of **18a/18b**

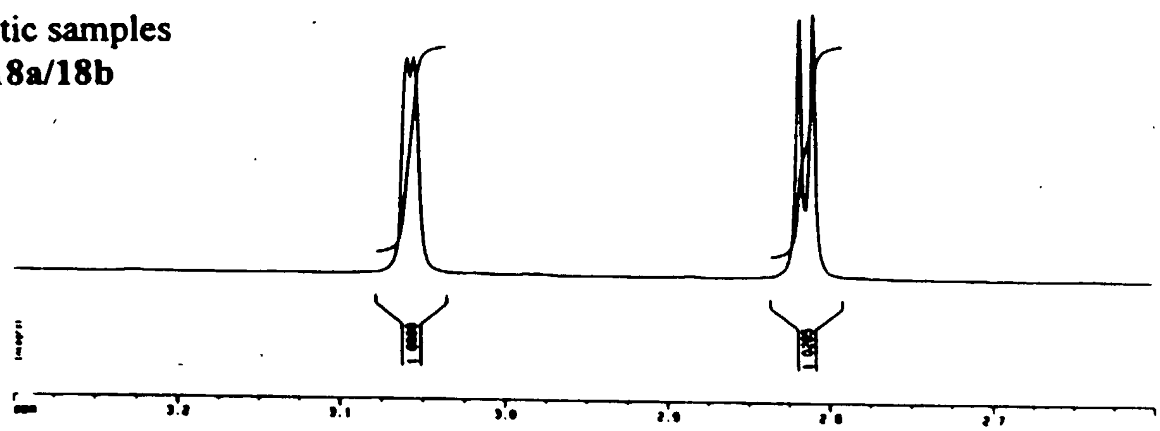


Fig. 59

Table 2, Entry 19

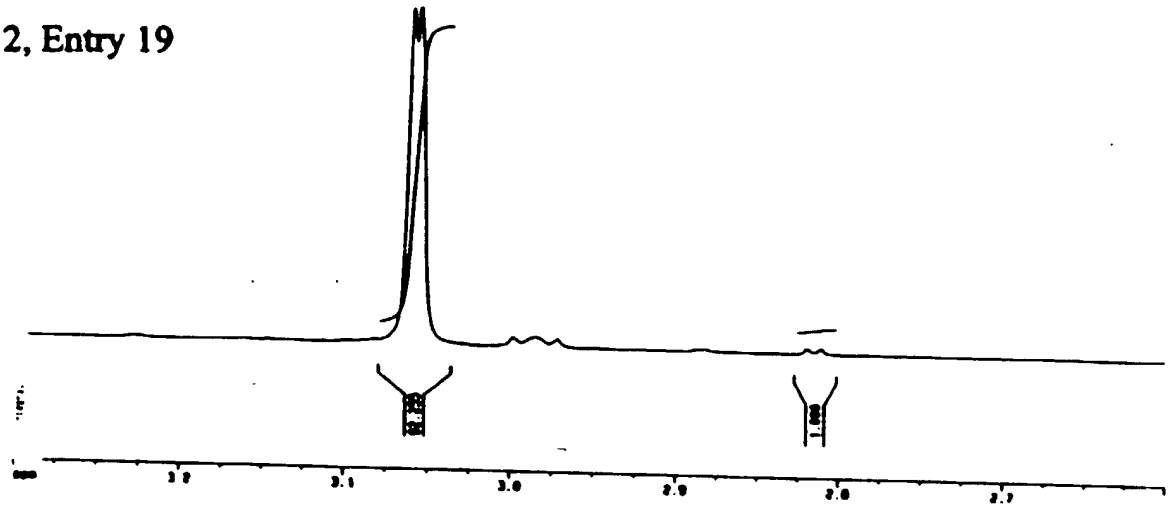


Fig. 60

Table 2, Entry 19

(10 mmol scale)

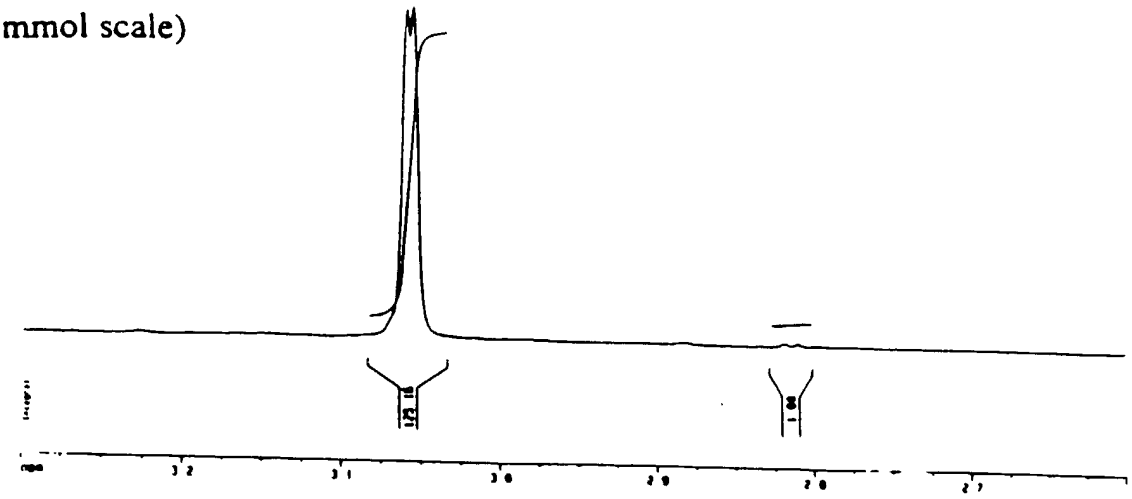


Fig. 61

Table 2, Entry 20

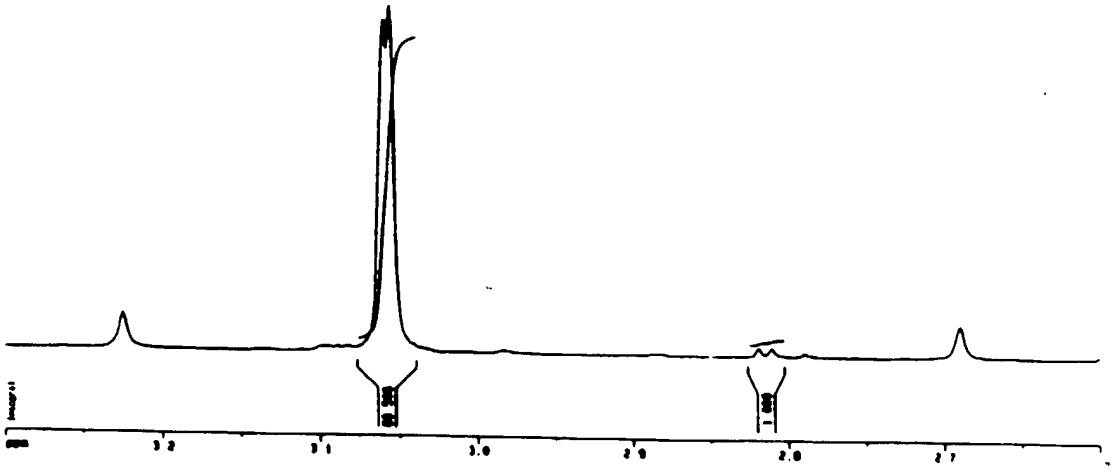
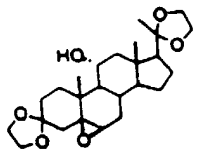


Fig. 62



19b

Table 2, Entry 21

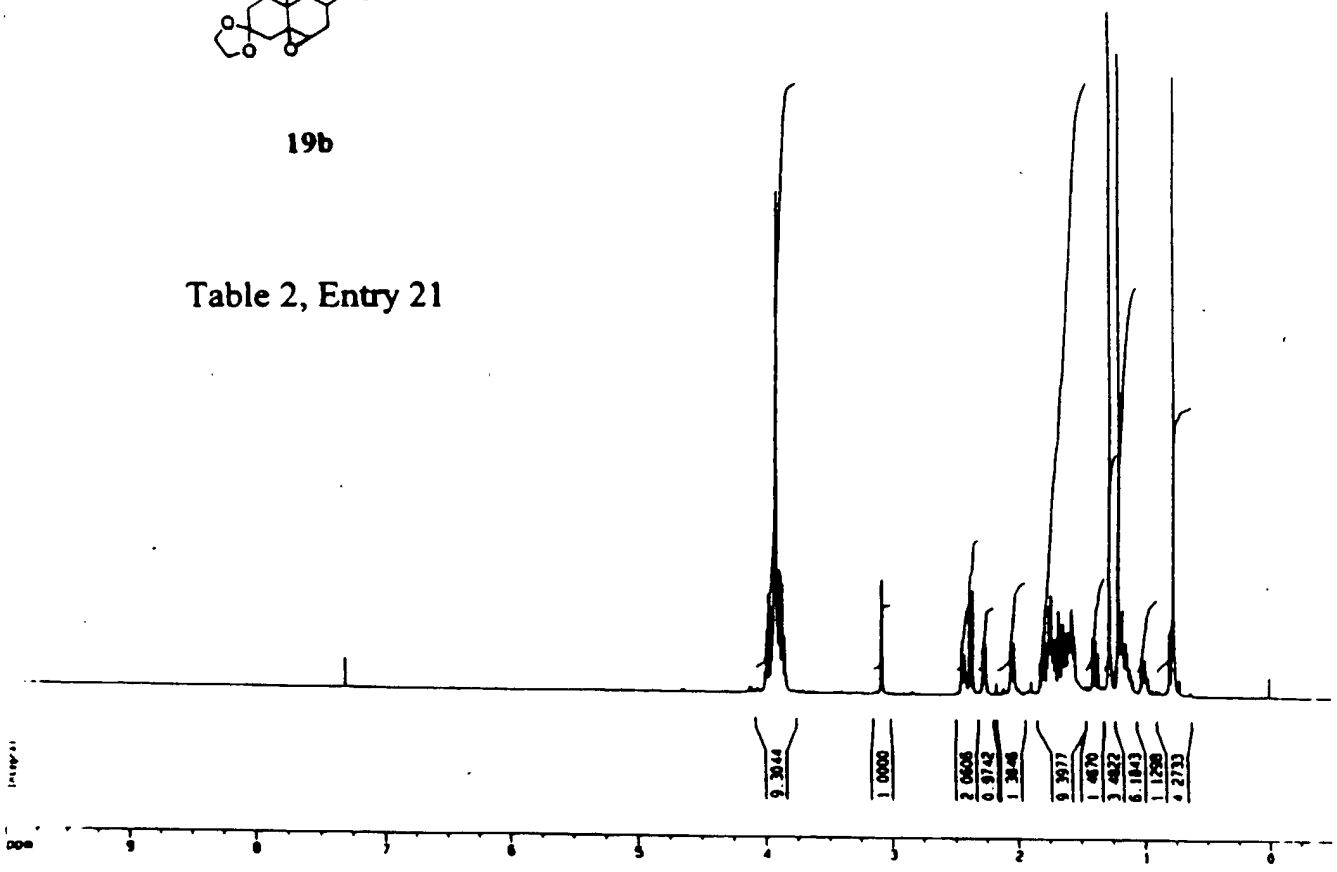


Fig. 63

Authentic samples
of **19a/19b**

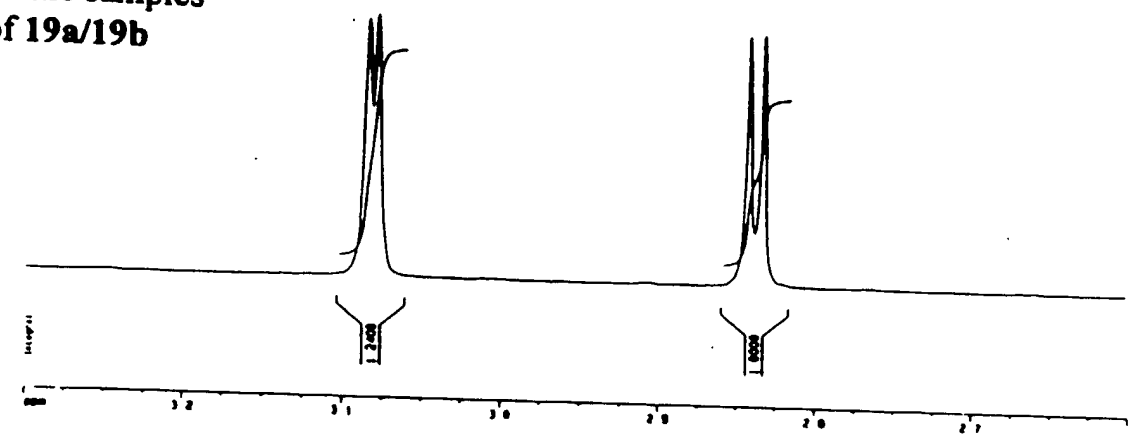


Fig. 64

Table 2, Entry 21

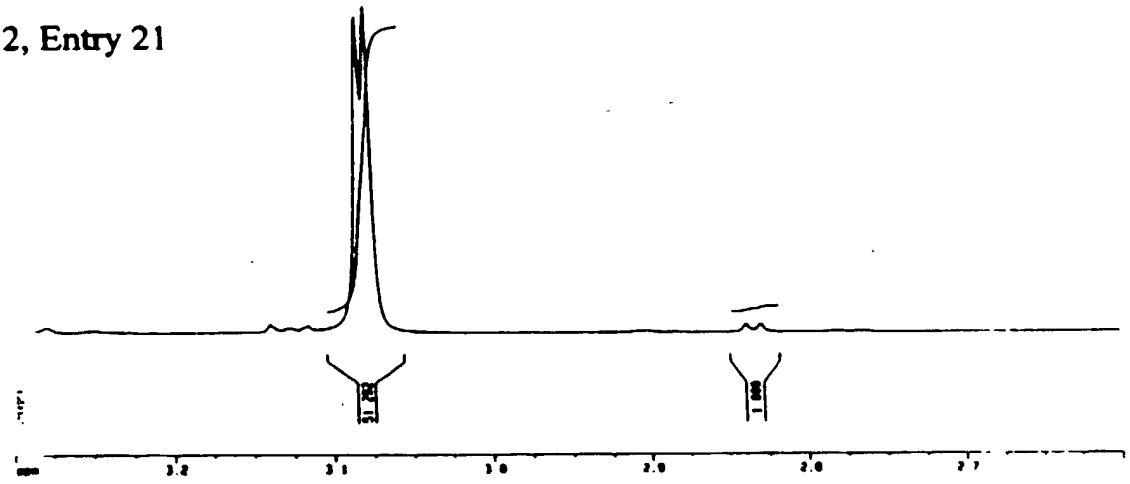


Fig. 65

Table 2, Entry 22

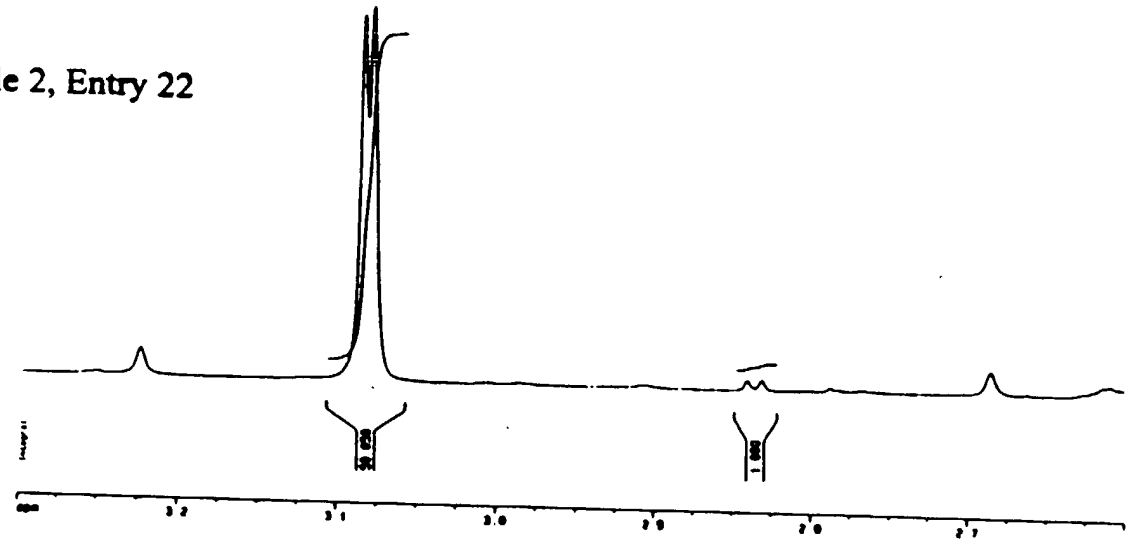
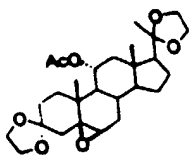


Fig. 66



20b

Table 2, Entry 23

Fig. 67

Authentic samples
of **20a/20b**

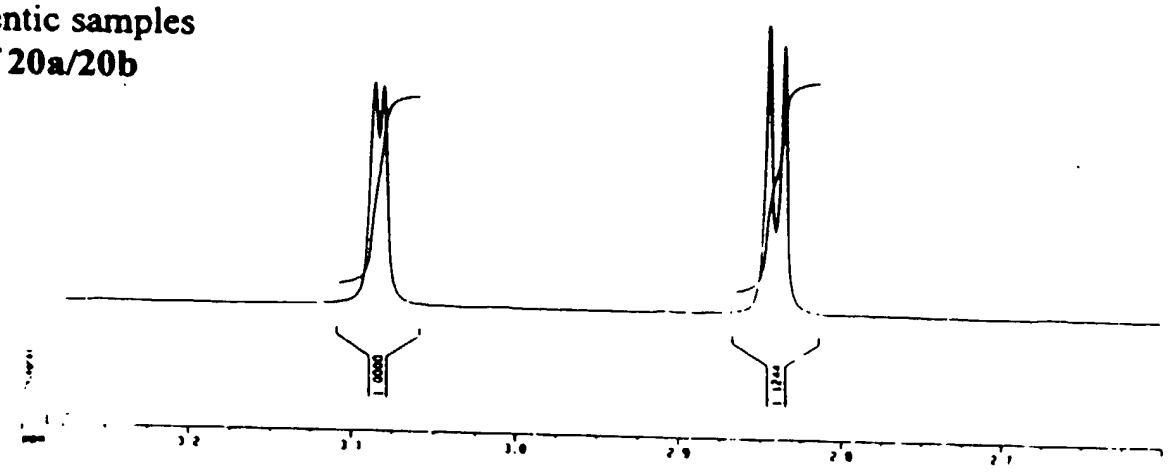


Fig. 68

Table 2, Entry 23

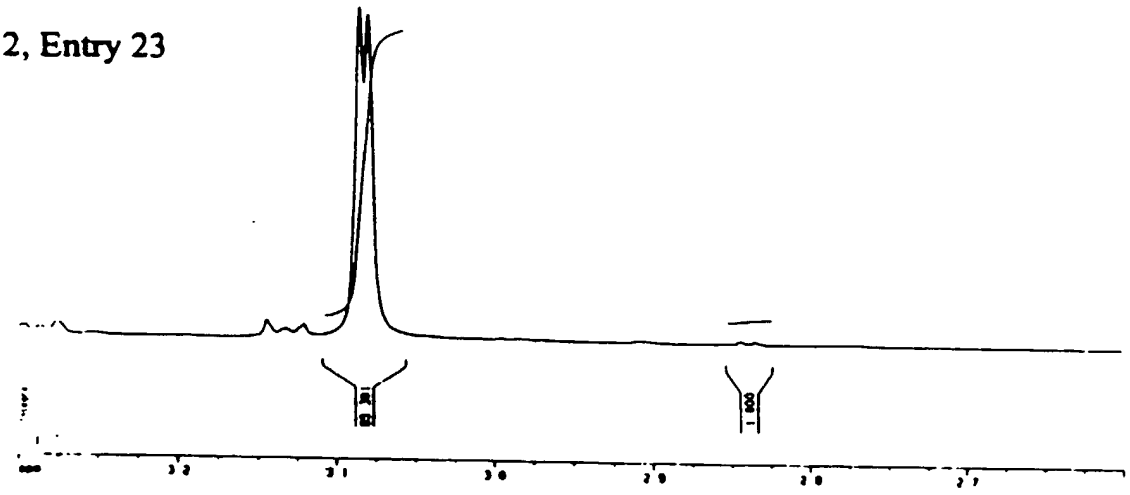


Fig. 69

Table 2, Entry 24

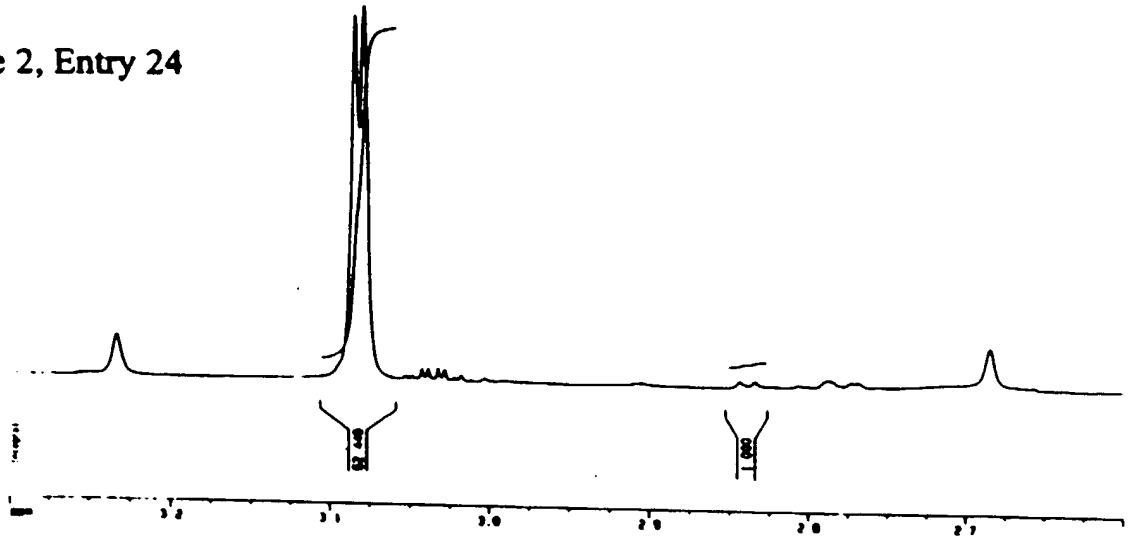


Fig. 70